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Subject: Accuracy and Coverage Evaluation: Decomposition of Dual
System Estimate Components

The attached document was prepared, per your request, to assist the Executive Steering Committee on A.C.E. Policy in assessing the data with and without statistical correction.

This report focuses on the decomposition of the P-sample and E-sample dual system estimate components.

DSSD Census 2000 Procedures and Operations Memorandum Series B-8*
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Accuracy and Coverage Evaluation: Decomposition of Dual System Estimate Components

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Accuracy and Coverage Evaluation 2000: Decomposition of the Dual System Estimate Components

prepared by Thomas Mule

Executive Summary

This document presents an accounting of all Accuracy and Coverage Evaluation (A.C.E.) microdata records. We account, step-by-step, for the outcome of the estimation steps from the missing data process and the targeted extended search (TES) operation. In the end the final weighted results provided are the input data for the dual system estimates.

Why decompose the dual system estimate components?

This analysis shows clearly how the final dual system estimates are derived and how to understand the relative effect of the estimation steps on the results. This document is a bridge from the data collection phase to the estimation phase.

This analysis is a useful verification in that it arrives at the DSE components by an entirely different manner. It is also a useful tool for understanding any unexpected coverage patterns.

What insight does this analysis provide?

This accounting of each P-sample and E-sample record shows that we followed specifications and controlled the process.

Introduction

Before computing dual system estimates (DSEs), a number of estimation steps occur. The purpose of this document is to show the outcome of the estimation steps on the DSEs by showing how these steps contribute to the estimated components of dual system estimation.

This document examines the outcome of the following estimation steps:

- Noninterview adjustments for whole-household nonresponse in the P sample,
- Characteristic imputation of missing post-stratification variables for the P and E samples,
- Imputation Cell Estimation (ICE) which assigned probabilities to people with unresolved match and residence status for the P sample and unresolved enumeration status for the E sample,
- Targeted Extended Search (TES) which expanded the search area for selected cases during person matching to reduce the variance of the DSEs.

This report documents the decomposition of the DSE components for the 2000 A.C.E. The results, provided in the attached tables, show the outcome of the estimation steps on the DSE component estimates. The text of this report addresses the estimation steps, DSE components and a description of the tables.

Estimation Steps

This section describes each estimation step in the P sample and E sample examined in this analysis. See Cantwell (2001) for more information on the results of the estimation steps implemented during the Missing Data process.

What estimation steps apply only to the P sample?

Noninterview Adjustments.

Procedure C uses in-movers along with non-movers to estimate the number of P-Sample people in the post-stratum, while using out-movers to estimate the match rate of movers in the post-stratum. Because of the use of Procedure C estimation, there are two noninterview adjustments. The Census Day noninterview adjustment is based on the housing-unit status as of Census Day (i.e., the Census Day roster), and the A.C.E. Day noninterview adjustment is based on the housing-unit status as of the day of the A.C.E. interview (i.e., the Interview Day roster).

Interview status for each adjustment is determined by the following. The reference day for the Census Day noninterview adjustment is Census day while the reference day for the A.C.E. Day noninterview adjustment is the A.C.E. interview day.

Interview: A unit is an interview (for the given reference date) if there is at least one person (with name and at least two demographic characteristics) who possibly or definitely was a resident of the housing unit on the given reference date.

Noninterview: An occupied housing unit (as of the given reference date) that is not an interview is a noninterview.

Not an occupied housing unit: A housing unit determined to be vacant or a nonexistent housing unit on the reference day.

The Census Day noninterview adjustment is used to adjust the person weights of nonmovers and outmovers. The A.C.E. Day noninterview adjustment is used to adjust the person weights of inmovers.

Residence Status ICE

The A.C.E. needs to determine if nonmovers and outmovers were residents on Census Day. People with unresolved residence status were collected in the person interview as nonmovers or outmovers, but not enough information was collected to resolve their residence status. The residence status ICE assigns a probability of being a resident for P-Sample people with unresolved residence status. P-sample persons are separated into groups called imputation cells based on operational, demographic, or geographic characteristics. The weighted average of 1's and 0's (representing, e.g., residence and non-residence, respectively) is calculated for each cell, and that value is imputed for all persons in the cell with the unresolved status. Residence status is determined by the Final Match Code. Appendix A provides more information on the Final Match Codes for the P sample.

Match Status ICE

The match status ICE assigns a probability of being a match for P-Sample people with unresolved match status. P-sample persons are separated into groups called imputation cells based on operational, demographic, or geographic characteristics. The weighted average of 1's and 0's (representing, e.g., match and non-match, respectively) is calculated for each cell, and that value is imputed for all persons in the cell with the unresolved status. Match status is determined by the Final Match Code. Appendix A provides more information on the Final Match Codes for the P sample.

What estimation step applies only to the E sample?

Correct Enumeration ICE

The Correct Enumeration ICE assigns a probability of being a correct enumeration for E-Sample people with unresolved enumeration status. E-sample persons are separated into groups called imputation cells based on operational, demographic, or geographic characteristics. The weighted average of 1's and 0's (representing, e.g., correct enumeration and erroneous enumeration, respectively) is calculated for each cell, and that value is imputed for all persons in the cell with the missing status. Enumeration status is determined by the Final Match Code. Appendix B provides more information on the Final Match Codes for the E sample.

What estimation steps apply to both samples?

Characteristic Imputation for Missing Post-stratification Variables

We impute the following variables, needed to assign people to post-strata, if missing:

- Age
- Race
- Hispanic Origin
- Sex
- Tenure

P-Sample characteristic imputation uses either a hot deck procedure or draws from available demographic distributions. All of the variables are person-level except for tenure which is housing unit level. Tenure is imputed from the previous household with a similar type of basic address with tenure recorded. For the person-level variables, both these procedures attempt to use within household information whenever possible. Appendix C provides more information on the characteristic imputation in the P sample.

Characteristic imputation for the E sample used the census editing and imputation procedure. Since the E sample is a sample of enumerations, we use the results from Hundred Percent Census Edited File. The 100 percent Edits and Allocations is the process of editing inconsistent 100% data items and imputing for missing 100 percent data items collected during the census enumeration. The purpose of the allocations is to ensure that each person and household on the final hundred percent data file has a value for each of the 100 percent data items. In addition, the edits serve to ensure certain consistencies between characteristics. The population items and household items needed to form post-strata go through this processing. Appendix C provides more information on characteristic editing and imputation in the E sample.

Targeted Extended Search

Both the E sample and the P sample measure enumeration errors in the census. The E sample measures gross overcount in the form of erroneous enumerations. The P sample measures gross undercount in the form of nonmatches. Ideally, the entire census could be searched before a P-sample person was declared to be a nonmatch. Likewise, the entire country could ideally be searched to determine if an E-sample enumeration is a duplicate or is fictitious. Of course, such extensive searches are not feasible. For this reason, determining the search area is key for a coverage evaluation survey.

For the 1990 Post-Enumeration Survey (PES), matching occurred first within the block. Depending on the type of enumeration area, a surrounding block search was performed in each cluster by expanding the search area for both the P sample and E sample. The motivation for extending the search area is variance reduction. Allowing more cases to be matched and more census enumerations to be found in surrounding blocks results in a higher match and correct enumeration rates and a DSE with more precision or less variance. Expanding the search area in every cluster was not efficient. In 1990, finding matches or duplicates in the surrounding block search was not a common event. Clerks had to search many housing units in the surrounding blocks in order to match people and code census duplicates. For 2000, A.C.E. is targeting the expanded search to blocks containing geocoding errors in order to produce better quality data.

For 2000, the Bureau needed to develop an efficient operation of extending the search area that would produce variance reduction benefits. The default search area is the sample cluster which comprises one or more contiguous census collection blocks. In order to make the operation more efficient than 1990, TES focuses on people with certain errors. These people are called TES persons. The TES “targets” whole household geocoding errors in the E sample and whole household nonmatches in the P sample.

For TES, a P-sample TES person is one of the following:

- whole household person nonmatches in housing units that either were nonmatches in the initial housing unit matching¹ or in relisted clusters OR
- P-sample whole household non-matches whose housing unit was matched in the initial housing unit matching¹ to a census unit that was removed from the sample cluster.

For TES, an E-sample TES person is one of the following:

- census whole household non-matches in housing units that either were identified in the initial housing unit matching¹ to be geocoding error or in relisted clusters OR
- census whole household non-matches in housing units added to the census files since initial housing unit matching¹ and that were determined as a result of person followup to be geocoding error.

¹ Initial housing unit matching compared independent listed housing units in the A.C.E. to census housing units on the DMAF as of January 2000. See Childers (2001) for more information

For this analysis, the total number of E-sample and P-sample TES people is based on people who were eligible for matching to the surrounding ring. Navarro and Olson (2001) in the TES results analysis examines if cases would have received a different match code if TES had not been performed. Their analysis has identified E-sample cases in relist clusters who were eligible for matching to the surrounding ring but would have received the same match code if TES was not performed. See Navarro and Olson (2001) for more information.

Since expanding the search area for each cluster was not efficient, this led to Sample Based Targeted Extended Search. We determined for efficiency reasons to extend the search area for 20 percent of the clusters. Olson (1999) researched various plans for selecting the clusters for TES. His research showed that geocoding error was highly clustered in the 1990 PES. About 72 percent of the census geocoding errors were found in less than 3 percent of the sample block clusters. The A.C.E. TES sampling selection method was a combination of certainty and probability sampling.

Certainty Sample

- Five percent of clusters with the most census geocoding errors and independent listing address nonmatches in the Initial Housing Unit phase
- Five percent of clusters with the most weighted census geocoding errors and A.C.E. address nonmatches in the Initial Housing Unit phase
- All relisted clusters in the P sample.

Probability sample

- 10 percent of the clusters selected by a systematic sample from the remaining clusters with at least one census geocoding error or an A.C.E. unmatched address based on the Initial Housing Unit phase. A.C.E sample clusters in List/Enumerate areas are out of scope for TES sample selection. The TES was not implemented in List/Enumerate clusters.

In the sample clusters, the search area for TES persons in the P and E samples is extended by one ring of census blocks. Wolfgang (2000) recommended extending the search area by only one ring. His research using Census 2000 Dress Rehearsal data showed that the additional benefits of using two rings of surrounding blocks were almost negligible.

The TES persons in the sample clusters have their final person weights adjusted to account for the TES sampling. The TES persons in non-selected clusters have their final person weights set equal to zero. These non-selected cases are represented by the extended search of the TES people in the sample clusters. See Childers (2001) for more information on TES. For accounting purposes, TES persons with final person weights set equal to zero are included in this analysis.

Components of the Dual System Estimates

This section describes each component of the DSE examined in this report. Appendix D provides more information and formulas for calculating the components of the E sample and P sample in this analysis.

What components are from the E sample?

Correct enumerations (CE)

A correct enumeration is a person who is enumerated in a block cluster during the census who is also determined by A.C.E. operations to have lived in the search area on Census Day. These cases are people with a correct enumeration probability greater than zero; that is, correct enumerations consist of confirmed residents and unresolved residents.

Enumerations (N_e)

Persons enumerated in E-sample housing units during the Census. Please see Childers (2001) for more information.

What components are from the P sample?

Nonmovers (N_n)

P-sample persons who lived in the A.C.E. housing unit on Census Day and on the day of the A.C.E. interview.

Inmovers (N_i)

P-sample persons who lived in the A.C.E. housing unit on the day of the A.C.E. interview, but lived elsewhere on Census Day.

Outmovers (N_o)

P-sample persons who lived in the A.C.E. housing unit on Census Day, but moved elsewhere before the A.C.E. interview.

Nonmover matches (M_n)

P-sample nonmovers who matched to a census enumeration in the search area during Person Matching.

Outmover matches (M_o)

P-sample outmovers who matched to a census enumeration in the search area during Person Matching.

Total matches (M)

Total matches is the estimated number of P-sample matches. For Procedure C, the estimated number of matches is the sum of the nonmover matches and the estimated number of mover matches based on the outmover match rate times the number of inmovers:

$$M = M_n + \frac{M_o}{N_o} \times N_i$$

For Procedure A, used when fewer than 10 outmovers have both residence probability and final weight greater than zero in a post-stratum, the estimated number of matches is the sum of the estimated nonmover and outmover matches:

$$M = M_n + M_o$$

Procedure A or Procedure C is applied to individual post-strata. **Therefore, for aggregates of post-strata in the summary tables, the weighted P-Sample match estimate is the sum of the post-stratum P-Sample match estimates.**

Total P-sample people (N_p)

Total P-sample people is the estimated population size from the P sample. For Procedure C, the population estimate is the sum of the estimated nonmovers and inmovers:

$$N_p = N_n + N_i$$

For Procedure A, used when fewer than 10 outmovers have both residence probability and final weight greater than zero in a post-stratum, the population estimate is the sum of the estimated nonmovers and outmovers:

$$N_p = N_n + N_o$$

Procedure A or Procedure C is applied to individual post-strata. **Therefore, for aggregates of post-strata in the summary tables, the weighted P-Sample person estimate is simply the sum of the post-stratum P-Sample person estimates.**

Out-of-Scope

Out-of-scope cases are A.C.E. interviewed cases determined to be one of the following:

- person was fictitious,
- person did not live in the block cluster on census day,
- person lived in group quarters or had another residence where the person should have been counted on census day,
- person was interviewed in a housing unit that exists outside the sample block cluster,
- person was a duplicate of another P-sample person

These cases are out-of-scope and do not contribute to the components of the dual system estimates. We include these cases in this analysis for accounting purposes.

Levels of Analysis

The data are aggregated to various levels and placed in the following tables. The tables are organized as follows:

Appendix	Tables	Description
E	E1	2000 A.C.E. National results
F	F1 - F7	2000 A.C.E. results for the Race/Hispanic Origin domains
G	G1-G3	2000 A.C.E. results for the collapsed Age/Sex categories
H	H1-H2	2000 A.C.E. results for Owners and Non-Owners
I	I1-I14	2000 A.C.E. results for Race/Hispanic Origin domains by Owners and Non-Owners
J	J1-J416	2000 A.C.E. results for the 416 Collapsed Post-strata

The results for the individual post-strata, Appendix J, will not be attached to this document due to its size but will be available electronically and provided upon request.

The race/Hispanic origin domains are:

- Domain 1 (American Indian or Alaska Native on reservations)
- Domain 2 (American Indian or Alaska Native off reservations)
- Domain 3 (Hispanic)
- Domain 4 (Non-Hispanic Black)
- Domain 5 (Native Hawaiian or Pacific Islander)
- Domain 6 (Non-Hispanic Asian)
- Domain 7 (Non-Hispanic White or “Some Other Race”)

The attached tables show the results of decomposing of the dual system estimates. Each table analyzes the outcome of the estimation steps on the components of the dual system estimates. These results focus on the A.C.E. estimation for the 50 states and the District of Columbia.

Describing the Tables

This section describes the columns and rows in the tables. For each column, we identify the component being examined and the numbers being reported. For each row, we identify the outcome being examined and how the outcome is being quantified.

Columns

The table columns are broken into 3 sections: E sample, P sample and rates.

In the E-sample section, the number of cases is given. There are columns for correct enumerations (CE) and enumerations (N_e). The P-sample section shows the number of cases. There are columns for nonmover matches (M_n), outmover matches (M_o), nonmovers (N_n), inmovers (N_i), outmovers (N_o), out-of-scope cases, total matches (M) and Total P-sample people (N_p). We described most of these columns in the Components of the DSE section. Summing the appropriate values down the column will equal the total at the bottom of the table for all but the total matches and total P-sample people columns. See Appendix D for a detailed explanation.

For each of these columns, we report three numbers. Appendix D describes how to calculate the following three totals for each component.

- Sample size: number of cases for the component
- Unweighted: An unweighted estimate of the component. While weights are not used, the residence, match and correct enumeration probabilities are used where appropriate.
- Weighted: A weighted estimate of the component.

In the rates section, the correct enumeration rate, match rate and correction ratio are calculated. The correct enumeration rate is the correct enumerations (CE) estimate divided by the

enumerations (N_e) estimate. The match rate is the total match (M) estimate divided by total P-sample people (N_p) estimate.

The correction ratio is the correct enumeration rate divided by the match rate. This is NOT equal to the Coverage Correction Factor. Both unweighted and weighted estimates are calculated for each.

Rows

This part describes each row in the table. Each row quantifies a certain type of outcome on the dual system estimates. In the following, the cases corresponding to each type of outcome are described. Information is provided on the weights used to calculate the weighted estimates.

*Row 1: Resolved Cases
Prior to Missing Data Adjustments (Non-TES)*

Row 1 is the baseline to compare the outcome of the estimation steps. This row identifies the number of cases that meet all of the following criteria:

- no missing post-stratification variables,
- have resolved residence and match status for P-sample cases or have resolved enumeration status for E-sample cases,
- non-TES persons.

For weighted estimates, this row removes the noninterview adjustment from the final person weight for the P sample for all but the out-of-scope cases. Out-of-scope cases use the trimmed cluster weight because we are only accounting for them in the tables. For the E sample, there is no non-interview adjustment so the final person weight is used. This row allows us to examine the components of the DSE if the non-interview adjustment had not been applied to these cases.

For the national summary table, we calculated the total matches (M) and total people (N_p) for this row as follows. For each post-stratum, we determined the weighted number of matches and P-sample people using the resolved non-TES P-sample cases. The national totals are the summation of the weighted numbers of the post-strata. A correct enumeration rate, match rate and correction ratio were calculated using the data from this row.

*Row 2: Resolved Cases
Added by A.C.E. Day Noninterview Adjustment (Non-TES)*

This row shows the outcome of the A.C.E. Day noninterview adjustment on the same cases identified in row 1, so sample sizes and unweighted estimates are not included. This row quantifies the weighted number of cases added to each component from the A.C.E. Day noninterview adjustment. This adjustment applies only to inmover cases in the P sample.

Nonmovers, outmovers and out-of-scope cases in the P sample are not influenced by this adjustment nor are the E-sample components.

*Row 3: Resolved Cases
 Added by Census Day Noninterview Adjustment (Non-TES)*

This row shows the outcome of the Census Day noninterview adjustment on the same cases identified in row 1 so sample sizes and unweighted estimates are not included. This row quantifies the weighted number of cases added to each component from the Census Day non-interview adjustment. This adjustment applies only to non-mover and out-mover cases in the P sample. Inmovers and out-of-scope cases in the P sample are not influenced by this adjustment nor are the E-sample components.

Row 4: Characteristic Imputation Only (Non-TES)

This row shows the outcome of cases with all of the following criteria:

- imputed at least one missing post-stratification variable,
- resolved residence status and match status during Person Matching if in P sample
OR
- resolved enumeration status during Person Matching if in E sample,
- non-TES person.

For weighted estimates, this row uses the final person weight for the E-sample cases and all P-sample cases except out-of-scope cases. The final weight for the P-sample cases includes the appropriate noninterview adjustment. Out-of-scope cases use the trimmed cluster weight because we are only accounting for them in the table. Both P-sample and E-sample components can be influenced by this outcome.

Row 5: Characteristic Imputation and Residence ICE (Non-TES)

This row shows the outcome of cases with all of the following criteria:

- imputed at least one missing post-stratification variable,
- unresolved residence status,
- resolved match status,
- non-TES persons.

Only P-sample cases are in this row because residence and match status only apply to the P sample. Only nonmovers and outmovers can meet this row's criteria. Inmovers have a resolved residence status and are not matched during Person Matching. Out-of-scope cases have a resolved residence status. Thus, the P-sample components are influenced by this row while the E-sample components are not.

For weighted estimates, this row uses the final person weight for the P-sample cases. The final weight for the P-sample cases includes the appropriate noninterview adjustment.

Row 6: Residence ICE Only (Non-TES)

This row shows the outcome of cases with all of the following criteria:

- no missing post-stratification variables,
- unresolved residence status,
- resolved match status,
- non-TES persons.

Only P-sample cases are in this row because residence and match status only apply to the P sample. Only nonmovers and outmovers can meet this row's criteria. Inmovers have a resolved residence status and are not matched during Person Matching. Out-of-scope cases have a resolved residence status. Thus, the P-sample components are influenced by this row while the E-sample components are not.

For weighted estimates, this row uses the final person weight for the P-sample cases. The final weight for the P-sample cases includes the appropriate noninterview adjustment.

Row 7: Characteristic Imputation, Residence ICE and Match ICE (Non-TES)

This row shows the outcome of cases with all of the following criteria:

- imputed at least one missing post-stratification variable,
- unresolved residence status,
- unresolved match status,
- non-TES persons

Only P-sample cases are in this row because residence and match status only apply to the P sample. Only nonmovers and outmovers can meet this row's criteria. Inmovers have a resolved residence status and are not matched. Out-of-scope cases have a resolved residence status. Thus, the P-sample components are influenced by this row while the E-sample components are not.

For weighted estimates, this row uses the final person weight for the P-sample cases. The final weight for the P-sample cases includes the appropriate noninterview adjustment.

Row 8 : Residence ICE and Match ICE (Non-TES)

This row shows the outcome of cases with all of the following criteria:

- no missing post-stratification variables,
- unresolved residence status,
- unresolved match status,
- non-TES persons

Only P-sample cases are in this row because residence and match status only apply to the P sample. Only nonmovers and outmovers can meet this row's criteria. Inmovers have a resolved residence status and are not matched. Out-of-scope cases have a resolved residence status. Thus, the P-sample components are influenced by this row while the E-sample components are not.

For weighted estimates, this row uses the final person weight for the P-sample cases. The final weight for the P-sample cases includes the appropriate noninterview adjustment.

Row 9: Characteristic Imputation and Correct Enumeration ICE (Non-TES)

This row shows the outcome of cases with all of the following criteria:

- imputed at least one missing post-stratification variable,
- unresolved enumeration status,
- non-TES people

Only E-sample cases are in this row because enumeration status only applies to the E sample. Thus, the E-sample components are influenced by this row while the P-sample components are not.

For weighted estimates, this row uses the final person weight for the E-sample cases. The E sample does not have a noninterview adjustment.

Row 10: Correct Enumeration ICE Only (Non-TES)

This row shows the outcome of cases with the following criteria:

- no missing post-stratification variables,
- unresolved enumeration status,
- non-TES people

Only E-sample cases are in this row because enumeration status only applies to the E sample. Thus, the E-sample components are influenced by this row while the P-sample components are not.

For weighted estimates, this row uses the final person weight for the E-sample cases. The E sample does not have a noninterview adjustment.

Row 11: TES People

This row shows the outcome of the TES people on the estimates. TES people in the E and P samples were identified in a previous section. These cases may have needed characteristic imputation, residence ICE or match ICE. This row focuses on the overall outcome of TES on the components of the DSE. Both E-sample and P-sample components are influenced by this row.

For weighted estimates, this row uses the final person weight for both the E-sample and all P-sample cases except the out-of-scope cases. Out-of-scope cases use the trimmed cluster weight because we are only accounting for them in the tables. For the P sample, the final person weight accounts for the appropriate noninterview adjustment and TES sampling.

For accounting purposes, TES persons with final person weights set equal to zero are included in this row.

Row 12: Total

The last row presents the totals for the table. The table shows the cumulative sample size, unweighted total and weighted total for the following columns:

- Correct Enumerations (CE)
- Enumerations (N_e)
- Nonmover matches (M_n)
- Outmover matches (M_o)
- Nonmovers (N_n)
- Inmovers (N_i)
- Outmovers (N_o)
- Total Matches (M)
- Total People (N_p)
- Out-of-scope

Using the totals for the components, the correct enumeration rate, match rate and correction ratio are calculated. For each, we calculate both unweighted and weighted estimates.

Analysis

Note that the purpose of this analysis is to point out important features of the estimation steps. No formal tests of statistical hypotheses have been performed.

What is the impact of the estimation steps on the national rates?

Table 1 shows the impact of the steps on the correct enumeration rate, match rate and correction ratio. The impact is gauged by comparing the rates of the Non-TES resolved cases prior to missing data adjustments (row 1 in the attached tables) to the total rates (row 12 in the attached tables). The correction ratio which is the correct enumeration rate divided by the match rate has a slight increase due to the estimation steps. The correct enumeration rate and match rate decreased due to the estimation steps but that was expected. Cases with missing data or cases requiring TES are on average more likely to be erroneous enumerations or omissions.

Table 1: Impact of the Estimation Steps on the National Rates

	Correct Enumeration Rate	Match Rate	Correction Ratio
Resolved Cases Prior to Missing Adjustments (Non-TES)	0.9743	0.9406	1.0358
Total	0.9528	0.9159	1.0403

What is the impact of the estimation steps on the rates by domain?

Table 2 shows the impact of the estimation steps on the rates by domain. Generally, the estimation steps show a slight increase in the correction ratio. The American Indian on Reservation and the Native Hawaiian or Pacific Islander domains have the largest increase in the correction ratio due to the estimation steps. The increase for both groups is probably more indicative of the relatively large variances associated with these groups. However, the estimation steps lead to a decrease in the correction ratio for the non-Hispanic Black domain. The correct enumeration rate and the match rate for all domains decreased due to the estimation steps as expected.

Table 2: Impact of the Estimation Steps on the Rates by Domain

Domain	Resolved Cases Prior to Missing Adjustments (Non-TES)			Total		
	Correct Enumeration Rate	Match Rate	Correction Ratio	Correct Enumeration Rate	Match Rate	Correction Ratio
American Indian on Reservation	0.9734	0.8964	1.0859	0.9581	0.8599	1.1142
American Indian off Reservation	0.9656	0.9149	1.0555	0.9397	0.8786	1.0695
Hispanic	0.9686	0.9013	1.0746	0.9446	0.8748	1.0798
Non-Hispanic Black	0.9615	0.8970	1.0719	0.9273	0.8693	1.0667
Native Hawaiian or Pacific Islander	0.9787	0.9085	1.0773	0.9305	0.8491	1.0958
Non-Hispanic Asian	0.9680	0.9309	1.0399	0.9457	0.9043	1.0458
Non-Hispanic White or Some Other Race	0.9773	0.9545	1.0238	0.9590	0.9315	1.0295

What is the impact of the estimation steps on the rates by tenure?

Table 3 shows the impact of the estimation steps on the rates by tenure. The estimation steps lead to a slight increase in the correction ratios for owners and non-owners. The correct enumeration rate and the match rate for the owners and non-owners decreased due to the estimation steps as expected.

Table 3: Impact of the Estimation Steps on the Rates by Tenure

Domain	Resolved Cases Prior to Missing Adjustments (Non-TES)			Total		
	Correct Enumeration Rate	Match Rate	Correction Ratio	Correct Enumeration Rate	Match Rate	Correction Ratio
Owner	0.9793	0.9579	1.0223	0.9641	0.9380	1.0278
Non-Owner	0.9613	0.8992	1.0691	0.9269	0.8657	1.0707

What is the impact of the estimation steps on the rates by age and sex?

Table 4 shows the impact of the estimation steps on the rates by age and sex. The estimation steps lead to a slight increase in the correction ratios for all three age/sex groups. The correct

enumeration rate and the match rate for the groups decrease due to the estimation steps as expected.

Table 4: Impact of the Estimation Steps on the Rates by Age and Sex

Age and Sex Group	Resolved Cases Prior to Missing Adjustments (Non-TES)			Total		
	Correct Enumeration Rate	Match Rate	Correction Ratio	Correct Enumeration Rate	Match Rate	Correction Ratio
0-17	0.9785	0.9314	1.0505	0.9594	0.9084	1.0561
18+ Male	0.9714	0.9376	1.0360	0.9476	0.9106	1.0406
18+ Female	0.9742	0.9495	1.0260	0.9533	0.9257	1.0298

References

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- Wolfgang (2000) DSSD Census 2000 Procedures and Operations Memorandum Series, Chapter S-RE-2, “Research on Surrounding Block Rings for the Census 2000 Accuracy and Coverage Evaluation Processing,” February 4, 2000.

Appendices

- Appendix A: A.C.E. P-sample Person Match Codes
- Appendix B: A.C.E. E-sample Person Match Codes
- Appendix C: Characteristic Imputation
- Appendix D: Formula for Estimating Components
- Appendix E: 2000 A.C.E. National summary results (Table E1)
- Appendix F: 2000 A.C.E. summary results for the Race/Hispanic Origin Domains (Tables F1-F7)
- Appendix G: 2000 A.C.E. summary results for Age/Sex groupings (Tables G1-G3)
- Appendix H: 2000 A.C.E. summary results for Owner/Non-owner (Tables H1-H2)
- Appendix I: 2000 A.C.E. summary results Race/Hispanic Origin domains by Owners and Non-Owners (Tables I1-I14)
- Appendix J: 2000 A.C.E. results for the 416 Collapsed Post-strata
(Available on request)

A.C.E. P-sample Person Match Codes

Matched, confirmed resident

M = The P-sample and the census people were matched
MR = The P-sample follow-up interview determined that the matched person with unresolved residence status is a resident as of census day.

Matched, unresolved residence status

MU = The A.C.E. person follow-up interview obtained no useful information to resolve the residence status for the matched person who had a residence status of unresolved before follow-up. The P-sample person's residence status is unresolved.

Not matched, confirmed resident

NP = The P-sample person is not matched to an E-sample person. There was no follow-up for the whole household nonmatches from person interviews with household members and the whole household nonmatches were not conflicting household nonmatches. The P-Sample person is considered to be a resident on census day.
NC = The P-sample nonmatch was found on the census roster. This person in a partial nonmatch household was not matched to the census because only name was collected in the census for this person in a large household and the census person was not data defined. No follow-up interview is necessary. The P-Sample person is considered to be a resident on census day.
NR = The P-sample person is identified as a resident in the block cluster on census day during the A.C.E. person follow-up interview.

Not matched -- unresolved residence status

NU = Not enough information is collected during the A.C.E. person follow-up interview to identify the P-sample person as a resident or nonresident in the block cluster. The match status for the P-sample person is nonmatch.

Unresolved match and residence status

- P = There is not enough information collected to determine if the possible match is a match or not. The match and residence status of the P-sample person are unresolved.
- KI = Match not attempted for the P-sample person because the person has insufficient information for matching and follow-up. The name is blank or incomplete or the name is complete but the person characteristic data are not sufficient(one or no person characteristics provided). This is a computer assigned code only. Both the match and residence status of the P-Sample person are unresolved.
- KP = Match not attempted for the P-sample person. The name is blank or incomplete or not a valid name. Both the match and residence status of the P-Sample person are unresolved.

Removed from the P sample

- FP = The P-sample person is fictitious in this block cluster. The person is included in the independent roster in error during the CAPI interview. This person is not included in the final list of P-sample people.
- NL = The P-Sample person did not live at the sample address or in the block cluster on census day and was listed as a nonmover or outmover in error. This person is removed from the list of P-Sample people since the person was collected during the person interview in error.
- NN = The P-sample person is identified as a nonresident in the block cluster on census day during the A.C.E. person follow-up interview, because the person lived in group quarters or had another residence where the person should have been counted on census day according to census residence rules. This person is removed from the list of P-sample people, since he or she was collected during the person interview in error.
- GP = The P-Sample person is removed because the person interview was conducted at a housing unit that exists outside the sample block cluster. The person follow-up identified this housing unit as a P-Sample geocoding error.
- DP = The P-sample person is a duplicate of another P-sample person.
- MN = The A.C.E. person follow-up interview determined that the matched person with unresolved residence status is not a resident in this housing unit or in this block cluster. The person is no longer in the list of P-sample people.

A.C.E. E-sample Person Enumeration Codes

Correctly enumerated

- M = The P-sample and E-sample people were matched. The E-sample person is correctly enumerated.
- CE = The E-sample nonmatch is identified as correctly enumerated during the A.C.E. person follow-up interview.
- MR = The A.C.E. person follow-up interview determined that the matched person with unresolved residence status is a resident. The E-Sample person is a correct enumeration.

Erroneously enumerated

- GE = The E-sample person is erroneously enumerated in this block cluster, because the census housing unit is a geocoding error (i.e., counted in the block cluster in error). The E-sample person should have been enumerated elsewhere in the census.
- EE = The E-sample nonmatch is identified as erroneously enumerated from the A.C.E. person follow-up interview.
- FE = The E-sample nonmatch is determined to be fictitious in this block cluster during the follow-up interview. The person may have existed, but should not have been enumerated in the census within this block cluster. The E-sample person is erroneously enumerated in the census in this block cluster.
- DE = The E-sample person is a duplicate of another E-sample person or a duplicate of a census person in a surrounding block (DE is also assigned to non E-Sample people duplicated with an E-Sample person in the same cluster).
- MN = The A.C.E. person follow-up interview determined that the matched person with unresolved residence status is not a resident in this housing unit or in this block cluster. The E-sample person is an erroneous enumeration.
- KE = Match not attempted for the E-sample person. The name is blank or incomplete or the name is complete but there are one or no person characteristics (computer assigned). The census name is blank or incomplete or not a valid name (clerically assigned).

Unresolved

- UE = Not enough information is collected during the A.C.E. person follow-up interview to identify the E-sample person as correctly or erroneously enumerated in the E-sample. The enumeration status for the E-sample person is unresolved.
- MU = The A.C.E. person follow-up interview obtained no useful information to resolve the residence status for the matched person with unresolved residence status. The E-sample person's enumeration status is unresolved.
- P = There is not enough information collected to determine if the possible match is a match or not. The enumeration status of the E-sample person is unresolved.
- GU = The geographic work for the targeted extended search is unresolved or could not be performed. It is not clear where the housing unit is located.

Characteristic Imputation

P sample

For dual system estimation, P-sample records are imputed during Missing Data processing because either the value is missing or an edit failure. Table C1 identifies what is considered an imputed value for the variables needed to assign P-sample records to post-strata. The values in the table are the imputation flags values for these variables. The flags can be found on the P-sample Person DSE Output File.

Table C1: Identifying Imputed Values for the P sample

P-sample Characteristic	Reported Values	Imputed Values
Age	1 = No imputation	2 = Imputation because of edit failure 3 = Imputation because of missing value
Race	1 = No imputation	2 = Imputation because of edit failure 3 = Imputation because of missing value
Hispanic Origin	1 = No imputation	2 = Imputation because of edit failure 3 = Imputation because of missing value
Sex	1 = No imputation	2 = Imputation because of edit failure 3 = Imputation because of missing value
Tenure	1 = No imputation	2 = Imputation because of edit failure 3 = Imputation because of missing value

E sample

For dual system estimation, E-sample records are imputed by one of two steps. First, we try to obtain the demographic and tenure variables from the Hundred Percent Census Edited File (HCEF) for each record. We identify if the HCEF has done any editing or imputation for these records. If the record does not match to the HCEF then the Missing Data process has a backup imputation system to impute missing values. Table C2 identifies what is considered an imputed value for the variables needed to assign E-sample records to a post-stratum. The values in the table are the HCEF allocation flag values for these variables. The flags can be found on the E-sample Person DSE Output File.

Table C2: Identifying Edited or Imputed Values for the E sample

E-sample Characteristic	Reported Values	Edited or Imputed Values
Age	0 = Both Consistent 1 = Age Only 2 = Date of birth only	3 = Inconsistent age and date of birth 4 = Allocated from hot deck 9 = E-sample person did not match to the HCEF
Race	0 = As reported	3 = Assigned from race response to Hispanic origin question 4 = Allocated from within household 5 = Allocated from hot deck 9 = E-sample person did not match to the HCEF
Hispanic Origin	0 = 1 reported origin 1 = 2 reported origin 2 = 3 reported origin	3 = Assigned Hispanic Origin from race code 4 = Allocated from within household 5 = Allocated from hot deck (surname used) 6 = Allocated from hot deck (surname not used) 9 = E-sample person did not match to the HCEF
Sex	0 = As reported	1 = From first name 2 = Edited 4 = Allocated from hot deck 5 = Allocated from consistency check 9 = E-sample person did not match to the HCEF
Tenure	0 = As reported	1 = Assigned by consistency check 4 = Allocated from hot deck 9 = E-sample person did not match to the HCEF

Formula for Estimating Components

E sample

This section shows the formula for calculating unweighted and weight estimates of the E-sample components for each row in the analysis tables.

The following subscript notation is used:

- j: Person record
- k: Row in table

Correct Enumerations (CE)

Sample Size: The number of cases with correct enumeration probability greater than zero.

Unweighted:

$$CE_{\text{unweighted}} = \sum_{j \in \text{row } k} CEPROBF_j$$

where $CEPROBF_j$ is the correct enumeration probability for the j th record.

Weighted:

$$CE_{\text{weighted}} = \sum_{j \in \text{row } k} TESFINWT_j \times CEPROBF_j$$

where $TESFINWT_j$ is the E-sample Final Weight reflecting A.C.E. sample design and TES for the j th record.

Enumerations (N_e)

Sample Size: The number of E-sample cases.

Unweighted:

$$N_e_{\text{unweighted}} = \sum_{j \in \text{row } k} 1$$

Weighted:

$$N_e_{\text{weighted}} = \sum_{j \in \text{row } k} TESFINWT_j$$

P sample

This section shows the formula for calculating unweighted and weight estimates of the P-sample components for each row in the analysis tables. For weighted estimates, a general formula is given for each component. The last part of this section details which person weight to use for each row in the table. The same subscript notation as the E-sample is used.

Nonmovers (N_n)

Sample Size: The number of nonmovers with residence probability greater than zero.

Unweighted:

$$N_{n \text{ unweighted}} = \sum_{j \in \text{nonmover} \& j \in \text{row } k} \text{RPROB}_j$$

where RPROB_j is the residence probability

Weighted:

$$N_{n \text{ weighted}} = \sum_{j \in \text{nonmover} \& j \in \text{row } k} \text{WEIGHT}_j \times \text{RPROB}_j$$

Inmovers (N_i)

Sample Size: The number of inmovers in the row. Inmovers are residents of the cluster on A.C.E. Day who were not determined to be out-of-scope.

Unweighted: The number of inmovers in the row. Inmovers are residents of the cluster on A.C.E. Day who were not determined to be out-of-scope.

Weighted:

$$N_{i \text{ weighted}} = \sum_{j \in \text{inmover} \& j \in \text{row } k} \text{WEIGHT}_j$$

Outmovers (N_o)

Sample Size: The number of outmovers with residence probability greater than zero.

Unweighted:

$$N_{o \text{ unweighted}} = \sum_{j \in \text{outmover} \& j \in \text{row } k} RPROB_j$$

Weighted:

$$N_{o \text{ weighted}} = \sum_{j \in \text{outmover} \& j \in \text{row } k} WEIGHT_j \times RPROB_j$$

Nonmover Matches (M_n)

Sample Size: The number of nonmovers with match probability greater than zero.

Unweighted:

$$M_{n \text{ unweighted}} = \sum_{j \in \text{nonmover} \& j \in \text{row } k} RPROB_j \times MPROB_j$$

where MPROB_j is the match probability for the *j*th record.

Weighted:

$$M_{n \text{ weighted}} = \sum_{j \in \text{nonmover} \& j \in \text{row } k} WEIGHT_j \times RPROB_j \times MPROB_j$$

Outmover Matches (M_o)

Sample Size: The number of outmovers with match probability greater than zero.

Unweighted:

$$M_{o \text{ unweighted}} = \sum_{j \in \text{outmover} \& j \in \text{row } k} RPROB_j \times MPROB_j$$

Weighted:

$$M_{o \text{ weighted}} = \sum_{j \in \text{outmover} \& j \in \text{row } k} \text{WEIGHT}_j \times RPROB_j \times MPROB_j$$

Total Matches (M)

The formula used to estimate the total matches depends on the number of outmovers for the post-stratum.

If the number of outmovers with both residence probability and final weight greater than zero is 10 or greater then total matches is calculated using the Procedure C formula.

Sample Size:

$$M_{\text{sample size}} = M_{n \text{ sample size}} + \left(\frac{M_{o \text{ sample size}}}{N_{o \text{ sample size}}} \times N_{i \text{ sample size}} \right)$$

Unweighted:

$$M_{\text{unweighted}} = M_{n \text{ unweighted}} + \left(\frac{M_{o \text{ unweighted}}}{N_{o \text{ unweighted}}} \times N_{i \text{ unweighted}} \right)$$

Weighted:

$$M_{\text{weighted}} = M_{n \text{ weighted}} + \left(\frac{M_{o \text{ weighted}}}{N_{o \text{ weighted}}} \times N_{i \text{ weighted}} \right)$$

If the number of outmovers with both residence probability and final weight greater than zero is less than 10 then total matches is calculated using the Procedure A formula.

Sample Size:

$$M_{\text{sample size}} = M_{n \text{ sample size}} + M_{o \text{ sample size}}$$

Unweighted:

$$M_{\text{unweighted}} = M_{n \text{ unweighted}} + M_{o \text{ unweighted}}$$

Weighted:

$$M_{\text{weighted}} = M_{n \text{ weighted}} + M_{o \text{ weighted}}$$

The formulas above for Procedure A or Procedure C are applied to individual post-strata. Therefore, for aggregates of post-strata, the weighted P-Sample match estimate is simply the sum of the post-stratum P-Sample match estimates.

Total People (N_p)

The formula used to estimate the total matches depends on the number of outmovers for the post-stratum.

If the number of out-movers with both residence probability and final weight greater than zero is 10 or greater than total people is estimated using the Procedure C formula.

Sample Size:

$$N_{p \text{ sample size}} = N_{n \text{ sample size}} + N_{i \text{ sample size}}$$

Unweighted:

$$N_{p \text{ unweighted}} = N_{n \text{ unweighted}} + N_{i \text{ unweighted}}$$

Weighted:

$$N_{p \text{ weighted}} = N_{n \text{ weighted}} + N_{i \text{ weighted}}$$

If the number of outmovers with both residence probability and final weight greater than zero is less than 10 than total people is estimated using the Procedure A formula.

Sample Size:

$$N_{p \text{ sample size}} = N_{n \text{ sample size}} + N_{o \text{ sample size}}$$

Unweighted:

$$N_{p \text{ weighted}} = N_{n \text{ weighted}} + N_{o \text{ weighted}}$$

Weighted:

$$N_{p \text{ weighted}} = N_{n \text{ weighted}} + N_{o \text{ weighted}}$$

The formulas above for Procedure A or Procedure C are applied to individual post-strata. Therefore, for aggregates of post-strata, the weighted P-Sample person estimate is simply the sum of the post-stratum P-Sample person estimates.

Person Weight (Weight_j)

For all rows except for the Resolved Cases rows (rows 1-3), *Weight_j*, in the formulas is

- P-sample Final TES-Adjusted Weight for Census Day for nonmovers and outmovers
- P-sample Noninterview Adjusted Weight based on A.C.E. Interview Day Interview Status for inmovers

For row 1: Resolved Cases Prior to Missing Data Adjustment (Non-TES), the trimmed cluster weight is used.

For row 2: Resolved cases added by A.C.E. Day noninterview adjustment (Non-TES) and row 3: Resolved cases added by Census Day noninterview adjustment (Non-TES); the weight used is:

Final Weight - Trimmed Weight

By using this as the weight, these two rows are able to show the outcome of the respective non-interview adjustments.

Out-of-Scope

Sample Size: Out-of-scope cases are:

- nonmovers and outmovers with a resident probability equal to zero and
- inmovers with a computer residence status code of removed.

Unweighted:

$$\text{Out - of - Scope}_{\text{unweighted}} = \sum_{j \in \text{out-of-scope} \& j \in \text{row } k} 1$$

Weighted:

$$\text{Out - of - Scope}_{\text{weighted}} = \sum_{j \in \text{out-of-scope} \& j \in \text{Analysis Category}} \text{WEIGHT}_j$$

where Weight_j is the P-sample trimmed cluster weight.

Why summing total matches across rows does not equal the total matches in the total row if Procedure C is used?

This occurs because the total matches calculation involves a ratio. The ratio calculated in each row and summed across rows does not equal the ratio calculated using the component totals. This is shown in the following formula.

$$\sum_{rows} \left[M_{n, \text{row}} + \left(\frac{M_{o, \text{row}}}{N_{o, \text{row}}} \right) N_{i, \text{row}} \right] \neq M_{n, \text{total}} + \left(\frac{M_{o, \text{total}}}{N_{o, \text{total}}} \right) N_{i, \text{total}}$$

If Procedure A is used, then the total matches summed across rows does equal the number of total matches in the total row. Procedure A estimation does not require the mover ratio found in Procedure C estimation.

$$\sum_{rows} \left[M_{n, \text{row}} + M_{o, \text{row}} \right] = M_{n, \text{total}} + M_{o, \text{total}}$$

Procedure A or Procedure C is applied to individual post-strata. Therefore, for tables showing aggregates of post-strata, the weighted P-Sample match estimate is simply the sum of the post-stratum P-Sample match estimates.

Table E1: National Summary

		P Sample (721,734 Cases)						Correct Enumeration Rate			Match Rate		Correction Ratio		
		E Sample (712,900 Cases)			Nonmover Matches			Inmovers		Outmovers	Out-of-Scope	Total Matches	Total P-sample People		
		Correct Enumerations	Nonmover Matches	Outmover Matches	Nonmover	Normovers	Inmovers	Outmovers	Out-of-Scope	Total Matches	Total P-sample People				
1 Prior to Missing Adj	Resolved Cases	Sample Size	555,600	571,503	517,810	12,613	550,430	35,232	15,335	25,886					
	Unweighted		555,307.6	571,503.0	517,810.0	12,613.0	550,430.0	35,232.0	15,335.0	25,886.0					
	Weighted		212,578,646.1	218,194,828.5	204,457,554.7	4,796,251.1	215,855,256.7	12,671,965.1	5,797,399.5	9,479,678.9	214,722,854.3	228,294,158.6	0.9717	0.9336	1.0407
2 Added A,C,E, Day NI	Resolved Cases		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9743	0.9406	1.0358	
	Added Census Day NI	Weighted													
	Characteristic	Sample Size	78,044	91,034	23,568	1,870	26,160	1,391	2,243						
4 Imputation Only	Unweighted		77,978.0	91,034.0	23,568.0	1,870.0	26,160.0	1,391.0	2,243.0						
	Weighted		27,462,501.1	31,982,497.6	9,454,845.2	735,227.3	10,416,980.4	502,475.5	870,401.9						
	Characteristic Imputation and Residence ICE	Sample Size	0	0	200	218	802	0	468	0					
5 and Non-TES	Unweighted		0.0	0.0	176.1	203.4	604.1	0.0	370.5	0.0					
	Weighted		0.0	0.0	75,791.7	81,620.3	237,256.4	0.0	150,320.0	0.0					
	Residence	Sample Size	0	0	266	270	3,975	0	1,292	0					
6 ICE Only	Unweighted		0.0	0.0	242.5	240.0	2,632.5	0.0	866.0	0.0					
	Weighted		0.0	0.0	100,704.3	92,713.1	968,624.2	0.0	330,788.9	0.0					
	Characteristic Imputation, Residence ICE and Match ICE	Sample Size	0	0	2,835	965	2,835	0	965	0					
7 Residence ICE and Match ICE	Unweighted		0.0	0.0	2,031.5	609.4	2,385.7	0.0	820.0	0.0					
	Weighted		0.0	0.0	821,702.6	230,500.2	956,074.4	0.0	306,963.5	0.0					
	Residence ICE	Sample Size	0	0	2,519	1,499	2,519	0	1,499	0					
8 and Match ICE	Unweighted		0.0	0.0	1,941.5	949.0	2,144.7	0.0	1,278.7	0.0					
	Weighted		0.0	0.0	789,961.9	366,771.8	866,661.6	0.0	488,806.0	0.0					
	Characteristic Imputation and Correct Enumeration ICE	Sample Size	3,353	3,356	0	0	0	0	0	0					
9 and Correct Enumeration ICE	Unweighted		2,437.3	3,356.0	0.0	0.0	0.0	0.0	0.0	0.0					
	Weighted		754,883.8	1,045,557.8	0.0	0.0	0.0	0.0	0.0	0.0					
	Correct Enumeration ICE only	Sample Size	14,661	14,673	0	0	0	0	0	0					
10 TES Cases ¹	Unweighted		11,177.0	14,673.0	0.0	0.0	0.0	0.0	0.0	0.0					
	Weighted		3,415,672.8	4,625,803.6	0.0	0.0	0.0	0.0	0.0	0.0					
	Sample Size	21,870	32,334	20,947	941	45,193	0	2,356	993						
11 TES Cases ¹	Unweighted		21,416.9	32,334.0	20,939.2	938.0	45,009.8	0.0	2,276.2	993.0					
	Weighted		7,884,534.5	8,730,175.0	9,609,355.0	392,717.7	14,756,760.9	0.0	713,021.4	289,838.2					
	Sample Size	673,528	712,900	568,145	18,376	631,914	36,623	24,158	29,039						
12 Total TES	Unweighted		668,316.6	712,900.0	566,708.7	17,422.8	629,366.7	36,623.0	23,189.4	29,039.0					
	Weighted		252,096,238.3	264,578,862.5	230,552,932.4	6,848,281.2	249,705,183.6	13,332,075.2	8,842,198.4	10,561,962.8	240,710,707.8	262,819,871	0.9375	0.8923	1.0506
	Sample Size	673,528	712,900	568,145	18,376	631,914	36,623	24,158	29,039						

¹This total includes TES cases with TES weight = 0 These cases were not selected for the TES sample but are documented here for accounting purposes

Table F1: American Indian or Alaska Native on Reservation Domain Summary

		P Sample (16,399 Cases)						Correct Enumeration Rate			Match Rate		Correction Ratio
		Nonmover Matches	Outmover Matches	Nonmovers	Inmovers	Outmovers	Out-of-Scope	Total Matches	Total P-sample People				
1	Prior to Missing Adj.	Sample Size	11,755	12,064	10,480	246	11,648	679	295	1,187			
1	Prior to Missing Adj.	Unweighted	11,755.0	12,064.0	10,480.0	246.0	11,648.0	679.0	295.0	1,187.0	11,049.3	12,325.0	0.9744
1	Prior to Missing Adj.	Weighted	340,277.4	349,560.3	304,859.9	6,902.9	338,794.8	22,184.2	8,283.8	30,987.9	323,394.4	360,754.1	0.9734
2	Resolved Cases	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	86.4	0.0	0.0	0.0	0.0
3	Resolved Cases	Weighted	0.0	0.0	9,860.8	353.4	10,828.0	0.0	406.6	0.0			
4	Characteristic Imputation Only	Sample Size	1,591	1,713	439	18	519	13	30	30	101		
4	Characteristic Imputation Only	Unweighted	1,591.0	1,713.0	439.0	18.0	519.0	13.0	30.0	30.0	101.0		
4	Characteristic Imputation Only	Weighted	46,684.4	50,413.0	12,623.0	513.6	14,837.2	339.9	842.1	842.1	2,833.1		
5	Characteristic Imputation and Residence ICE	Sample Size	0	0	1	0	18	0	3	3	0		
5	Characteristic Imputation and Residence ICE	Unweighted	0.0	0.0	1.0	0.0	12.0	0.0	2.0	2.0	0.0		
5	Characteristic Imputation and Residence ICE	Weighted	0.0	0.0	23.2	0.0	296.1	0.0	152.5	152.5	0.0		
6	Residence 6 ICE Only	Sample Size	0	0	0	1	129	0	19	19	0		
6	Residence 6 ICE Only	Unweighted	0.0	0.0	0.0	1.0	74.5	0.0	16.5	16.5	0.0		
6	Residence 6 ICE Only	Weighted	0.0	0.0	0.0	17.2	2,033.5	0.0	494.9	494.9	0.0		
7	Characteristic Imputation, Residence ICE and Match ICE	Sample Size	0	0	23	7	23	0	7	7	0		
7	Characteristic Imputation, Residence ICE and Match ICE	Unweighted	0.0	0.0	17.1	4.1	20.0	0.0	6.1	6.1	0.0		
7	Characteristic Imputation, Residence ICE and Match ICE	Weighted	0.0	0.0	261.6	129.6	314.9	0.0	205.0	205.0	0.0		
8	Residence ICE and Match ICE	Sample Size	0	0	22	12	22	0	12	12	0		
8	Residence ICE and Match ICE	Unweighted	0.0	0.0	17.2	7.9	19.6	0.0	10.5	10.5	0.0		
8	Residence ICE and Match ICE	Weighted	0.0	0.0	526.3	284.3	622.1	0.0	373.5	373.5	0.0		
9	Characteristic Imputation and Correct Enumeration ICE	Sample Size	37	37	0	0	0	0	0	0	0		
9	Characteristic Imputation and Correct Enumeration ICE	Unweighted	24.2	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
9	Characteristic Imputation and Correct Enumeration ICE	Weighted	877.5	1,257.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
10	Correct Enumeration ICE only	Sample Size	176	176	0	0	0	0	0	0	0		
10	Correct Enumeration ICE only	Unweighted	106.4	176.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
10	Correct Enumeration ICE only	Weighted	3,293.3	5,484.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
11	TES Cases ¹	Sample Size	39	448	121	5	1,582	0	70	42			
11	TES Cases ¹	Unweighted	37.4	448.0	121.0	5.0	1,570.2	0.0	65.4	42.0			
11	TES Cases ¹	Weighted	9,164.2	11,086.5	8,420.3	584.6	21,092.6	0.0	774.7	985.0			
12	Total	Sample Size	13,598	14,438	11,086	289	13,941	692	436	1,330			
12	Total	Unweighted	13,513.9	14,438.0	11,075.3	281.9	13,863.4	692.0	425.5	1,330.0	11,538.60	14,556.40	0.9360
12	Total	Weighted	400,296.8	417,801.6	336,575.0	8,785.7	388,819.1	22,610.4	11,533.1	34,806.1	353,669.0	411,298.2	0.9581

¹ This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table F2: American Indian or Alaska Native off Reservation Domain Summary

		E Sample (4,664 Cases)						P Sample (4,441 Cases)						Match Rate		Correction Ratio	
		Sample Size	Nonmover Enumerations	Outmover Matches	Nonmovers	Inmovers	Outmovers	Out-of-Scope	Total Matches	Total P-sample People	Correct Enumeration Rate	Rate	Ratio				
1 Prior to Missing Adj.	Resolved Cases	Sample Size	3,427	3,543	2,991	113:	3,217	337	142	168:	0.9671	0.9188	1.0526				
	Unweighted	3,426.5	3,543.0	2,991.0	113.0:	3,217.0	337.0	142.0	168.0	3,222.1							
	Weighted	1,042,357.1	1,079,449.1	915,471.6	31,024.4:	988,881.1	101,470.3	39,942.4	51,994.1	984,501.5							
2 Added A.C.E. Day NI	Resolved Cases	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	856.5	0.0	0.9656	0.9149	1.0555				
	Added Census Day NI	Weighted	0.0	0.0	25,711.9	891.9:	27,691.7	0.0	1,189.8	0.0							
	Characteristic Imputation	Sample Size	615	713	156	8:	166	3	11	15:							
4 Imputation Only	Unweighted	612.5	713.0	156.0	8.0:	166.0	3.0	11.0	15.0	15.0	0.9663	0.9163	1.0463				
	Weighted	189,824.8	217,821.7	50,241.4	2,160.5	53,661.0	345.6	3,452.1	3,466.3	3,466.3							
	Residence ICE	Sample Size	0	0	6	10	9	0	11	0	0.9663	0.9163	1.0463				
5 and Non-TES	Unweighted	0.0	0.0	5.9	9.9	8.0	0.0	10.1	0.0	0.0							
	Weighted	0.0	0.0	742.0	1,191.7	956.7	0.0	1,200.4	0.0	0.0							
	Residence ICE	Sample Size	0	0	1	3	24	0	21	0	0.9663	0.9163	1.0463				
6 ICE Only	Unweighted	0.0	0.0	1.0	3.0	14.1	0.0	14.3	0.0	0.0							
	Weighted	0.0	0.0	344.1	811.8	5,668.2	0.0	4,297.1	0.0	0.0							
	Characteristic Imputation, Residence ICE	Sample Size	0	0	15	8	15	0	8	0	0.9663	0.9163	1.0463				
7 Residence ICE and Match ICE	Unweighted	0.0	0.0	11.7	5.3:	13.0	0.0	7.0	0.0	0.0							
	Weighted	0.0	0.0	5,498.2	1,525.4:	6,102.1	0.0	2,092.4	0.0	0.0							
	Residence ICE	Sample Size	0	0	10	9	10	0	9	0	0.9663	0.9163	1.0463				
8 and Match ICE	Unweighted	0.0	0.0	7.8	4.8	8.7	0.0	7.8	0.0	0.0							
	Weighted	0.0	0.0	2,483.3	1,224.4:	2,700.7	0.0	1,748.0	0.0	0.0							
	Characteristic Imputation, 9 and Correct Enumeration ICE	Sample Size	37	37	0	0	0	0	0	0	0.9663	0.9163	1.0463				
10 only	Unweighted	26.4	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
	Weighted	4,708.0	7,514.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
	Correct Enumeration ICE	Sample Size	136	136	0	0	0	0	0	0	0.9663	0.9163	1.0463				
11 TES Cases ¹	Unweighted	103.9	136.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
	Weighted	25,127.2	35,844.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
	Sample Size	124	235	96	5:	236	0	22	17	17	0.9663	0.9163	1.0463				
12 Total	Unweighted	122.1	235.0	96.0	5.0:	235.1	0.0	22.0	17.0	17.0							
	Weighted	28,818.9	33,054.3	47,885.8	390.6:	87,322.7	0.0	5,008.3	10,487.4	10,487.4							
	Sample Size	4,339	4,664	3,275	156	3,677	340	224	200:	200:	0.9201	0.8774	1.0487				
13 TES	Unweighted	4,291.4	4,664.0	3,269.4	148.9:	3,661.9	340.0	214.1	200.0	200.0							
	Weighted	1,290,835.9	1,373,683.6	1,048,378.5	39,220.7:	1,172,984.2	102,672.4	58,930.4	65,947.8:	65,947.8:							
	Sample Size	4,339	4,664	3,275	156	3,677	340	224	200:	200:	0.9397	0.8786	1.0495				

¹This total includes TES cases with TES weight = 0 These cases were not selected for the TES sample but are documented here for accounting purposes

Table F3: Hispanic Domain Summary

		P Sample (100,390 Cases)						Correct Enumeration Rate		Match Rate		Correction Ratio							
		E Sample (100,786 Cases)		Nonmover Enumerations		Outmover Matches		Nonmovers		Inmovers		Outmovers		Out-of-Scope		Total Matches		Total P-sample People	
	Resolved Cases	Sample Size	65,652	67,930	68,327	1,748	75,432	5,753	2,268	2,757									
1	Prior to Missing Adj	Unweighted	65,595.5	67,930.0	68,327.0	1,748.0	75,432.0	5,753.0	2,268.0	2,757.0	72,767.8	81,160.0	0.9656	0.8966	1,0770				
	Resolved Cases	Added A,C E Day NI	Weighted	21,833,749.8	22,542,456.6	23,408,005.5	590,725.4	25,701,513.1	2,001,894.4	759,753.8	947,209.8	24,963,384.2	27,695,789.8	0.9013	0.9686	1,0746			
2	Resolved Cases	Added A,C E Day NI	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
3	Added Census Day NI	Weighted	0.0	0.0	718,280.6	21,210.5	806,243.3	0.0	25,756.1	0.0									
Characteristic	Sample Size	22,828	24,912	3,751	286	4,283	270	356	356	275									
4	Unweighted	22,810.5	24,912.0	3,751.0	286.0	4,283.0	270.0	356.0	356.0	275.0									
	Weighted	7,376,708.6	8,006,867.3	1,359,896.5	99,289.0	1,543,054.6	93,257.6	120,276.4	120,276.4	93,855.0									
Characteristic Imputation	Sample Size	0	0	35	24	139	0	67	67	0									
5 and Residence ICE	Unweighted	0.0	0.0	30.2	23.7	104.0	0.0	50.7	50.7	0.0									
6	Weighted	0.0	0.0	13,008.3	7,727.1	36,485.0	0.0	18,859.8	18,859.8	0.0									
Residence	Sample Size	0	0	32	35	81.1	0	191	191	0									
7	Unweighted	0.0	0.0	31.4	32.0	538.9	0.0	127.2	127.2	0.0									
8	Weighted	0.0	0.0	12,490.0	14,750.6	185,163.5	0.0	47,790.7	47,790.7	0.0									
Characteristic Imputation, Residence ICE	Sample Size	0	0	372	192	372	0	192	192	0									
9 and Match ICE	Unweighted	0.0	0.0	272.7	124.4	322.9	0.0	167.7	167.7	0.0									
10	Weighted	0.0	0.0	94,592.9	46,669.0	111,370.0	0.0	62,171.9	62,171.9	0.0									
Residence ICE	Sample Size	0	0	405	275	405	0	275	275	0									
8 and Match ICE	Unweighted	0.0	0.0	318.5	178.4	355.9	0.0	241.2	241.2	0.0									
Characteristic Imputation, Correct Enumeration ICE	Sample Size	985	986	0	0	0	0	0	0	0									
9 and Correct Enumeration ICE	Unweighted	719.3	986.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									
10 only	Weighted	219,864.9	306,550.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0									
Correct Enumeration ICE	Sample Size	2,735	2,739	0	0	0	0	0	0	0									
11 TES Cases ¹	Unweighted	1,941.3	2,739.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									
	Weighted	578,725.6	844,802.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0									
12 Total TES	Sample Size	2,874	4,219	3,288	106	6,181	0	277	277	0									
	Unweighted	2,799.0	4,219.0	3,286.8	105.0	6,149.9	0.0	259.9	259.9	0.0									
	Weighted	817,602.0	934,172.8	1,309,299.0	35,620.7	2,045,542.6	0.0	81,976.8	81,976.8	0.0									
								3,118.	3,118.										
								3,626	3,626										
								3,470.7	3,470.7										
								80,344.9	80,344.9										
								93,187.5	93,187.5										
								28,580,934.1	28,580,934.1										
								32,671,650.7	32,671,650.7										

¹This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table F4: Non-Hispanic Black Domain Summary

		P Sample (94,213 Cases)						Correct Enumeration Rate			Match Rate		Correction Ratio		
		E Sample (97,767 Cases)		Nonmover Matches		Nonmovers		Outmovers		Out-of-Scope		Total P-sample People			
		Correct Enumerations	Enumerations	Nonmover Matches	Outmover Matches	Nonmovers	Outmovers	Outmovers	Outmovers	Out-of-Scope	Total Matches				
1	Prior to Missing Ad.	Sample Size	69,619	72,540	63,459	1,508	70,547	4,691	1,937	3,028					
	Unweighted	69,562	4	72,540	0	63,459	0	70,547	0	1,937	0	67,064	9		
	Weighted	22,715	191	8	23,625	281	4	21,400	103	5	23,656	505	0		
2	Resolved Cases	Weighted	0	0	0	0	0	0	0	0	0	22,594	967	2	
	Added A.C.E Day NI											25,189	867	5	
3	Resolved Cases	Weighted	0	0	0	0	0	0	0	0	0	0	0	0	
	Added Census Day NI	Weighted	0	0	0	0	0	0	0	0	0	0	0	0	
Characteristic	Sample Size	13,946	16,973	3,435	226	3,983	209	268	268	315					
4	Imputation	Unweighted	13,929	7	16,973	0	3,435	0	209	0	268	0	315	0	
	Weighted	4,468	886	7	5,410	870	4	1,176	063	4	78,466	4	1,356	920	9
Characteristic Imputation	Sample Size	0	0	0	24	16	163	0	0	54	0				
5 and	Unweighted	0	0	0	0	17	9	114	8	0	36	4	0	0	
Residence ICE Only	Weighted	0	0	0	0	7,971	0	6,698	1	36,189	7	0	13,642	6	
6	Residence ICE	Sample Size	0	0	0	71	31	1,083	0	0	202	0			
	Unweighted	0	0	0	0	58	8	26	4	698	8	0	136	0	
	Weighted	0	0	0	0	21,242	6	9,239	6	242,506	8	0	42,961	6	
Characteristic Imputation, Residence ICE Only	Sample Size	0	0	0	479	136	479	0	0	136	0				
7	Characteristic Imputation, Residence ICE and Match ICE	Unweighted	0	0	0	349	5	84	0	417	8	0	117	8	
	Weighted	0	0	0	0	119,757	3	29,484	2	143,275	1	0	41,575	3	
Residence ICE 8 and Match ICE	Sample Size	0	0	0	517	205	517	0	0	205	0				
	Unweighted	0	0	0	410	6	134	5	453	0	0	179	0	0	
	Weighted	0	0	0	149,262	9	48,800	7	164,142	9	0	65,057	7	0	
Characteristic Imputation 9 and Correct Enumeration ICE	Sample Size	748	748	0	0	0	0	0	0	0	0	0	0	0	
	Unweighted	523	6	748	0	0	0	0	0	0	0	0	0	0	
	Weighted	151,454	2	214,658	7	0	0	0	0	0	0	0	0	0	
Correct Enumeration ICE 10 only	Sample Size	2,747	2,748	0	0	0	0	0	0	0	0	0	0	0	
	Unweighted	1,946	6	2,748	0	0	0	0	0	0	0	0	0	0	
	Weighted	555,709	3	806,771	3	0	0	0	0	0	0	0	0	0	
TES 11 TES Cases ¹	Sample Size	3,683	4,758	2,948	98	5,967	0	0	0	0	234	195			
	Unweighted	3,582	1	4,758	0	2,945	8	97	9	5,927	8	0	226	4	
	Weighted	1,016,797	6	1,117,863	4	1,278,771	8	44,726	8	1,955,198	9	0	80,133	6	
	Sample Size	90,743	97,767	70,933	2,220	82,739	4,900	3,036	3,538						
	Unweighted	89,544	3	97,767	0	70,676	6	2,092	7	82,142	2	4,900	0	3,538	
	Weighted	28,908,039	6	31,175,445	2	24,914,973	5	734,859	6	28,410,107	1	1,634,260	2	995,775	
Total 12	Sample Size	90,743	97,767	70,933	2,220	82,739	4,900	3,036	3,538						
	Unweighted	89,544	3	97,767	0	70,676	6	2,092	7	82,142	2	4,900	0	3,538	
	Weighted	28,908,039	6	31,175,445	2	24,914,973	5	734,859	6	28,410,107	1	1,634,260	2	995,775	

¹This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table F5: Native Hawaiian or Pacific Islander Domain Summary

		P Sample (2,974 Cases)						Correct Enumeration Rate			Match Rate		Correction Ratio						
		E Sample (2,890 Cases)		Nonmover Enumerations		Outmover Matches		Nonmovers		Inmovers		Outmovers		Out-of-Scope		Total Matches		Total P-sample People	
1	Prior to Missing Adj.	Sample Size	2,212	2,266	1,999	36	2,231	159	40	113									
	Unweighted		2,207.5	2,266.0	1,999.0	36.0	2,231.0	159.0	40.0	113.0									
	Weighted		358,894.9	366,691.2	386,619.7	8,204.4	425,318.6	33,645.5	8,947.8	20,672.9									
2	Resolved Cases	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
3	Resolved Cases	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
4	Added A.C.E. Day NI	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
5	Added Census Day NI	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
6	Characteristic	Sample Size	380	456	94	1	118	5	2	10									
	Unweighted		379.0	456.0	94.0	1.0	118.0	5.0	2.0	10.0									
	Weighted		76,348.1	98,053.7	22,978.2	125.6	27,643.0	1,390.1	474.6	2,259.3									
7	Imputation Only	Sample Size	0	0	0	0	2	4	0	2	0								
	Unweighted		0.0	0.0	0.0	0.0	2.0	3.7	0.0	2.0	0.0								
	Weighted		0.0	0.0	0.0	0.0	289.5	916.0	0.0	289.5	0.0								
8	Characteristic Imputation and Residence ICE	Sample Size	0	0	0	0	2	0	20	0	2	0							
	Unweighted		0.0	0.0	0.0	0.0	1.9	0.0	12.6	0.0	1.1	0.0							
	Weighted		0.0	0.0	0.0	0.0	658.1	0.0	2,310.1	0.0	683.8	0.0							
9	Residence Imputation, Residence ICE and Match ICE	Sample Size	0	0	0	0	6	1	6	0	1	0							
	Unweighted		0.0	0.0	0.0	0.0	4.1	0.4	5.2	0.0	0.9	0.0							
	Weighted		0.0	0.0	0.0	0.0	689.3	56.5	833.5	0.0	109.5	0.0							
10	Characteristic Imputation and Match ICE	Sample Size	0	0	0	0	5	3	5	0	3	0							
	Unweighted		0.0	0.0	0.0	0.0	3.7	2.1	4.3	0.0	2.6	0.0							
	Weighted		0.0	0.0	0.0	0.0	526.7	574.3	639.1	0.0	719.5	0.0							
11	Characteristic Imputation and Correct Enumeration ICE	Sample Size	20	20	0	0	0	0	0	0	0	0							
	Unweighted		15.9	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
	Weighted		1,772.2	2,081.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
12	Correct Enumeration ICE only	Sample Size	81	81	0	0	0	0	0	0	0	0							
	Unweighted		59.7	81.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
	Weighted		8,341.3	12,081.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
13	TES Cases ¹	Sample Size	23	67	41	5:	230	0	16	7									
	Unweighted		22.6	67.0	41.0	5.0:	229.9	0.0	16.0	7.0									
	Weighted		5,196.9	5,302.4	28,283.0	628.1	58,703.5	0.0	1,627.4	972.7									
14	Total	Sample Size	2,716	2,890	2,147	48	2,614	164	66	130									
	Unweighted		2,684.7	2,890.0	2,143.7	46.5:	2,604.8	164.0	64.6	130.0									
	Weighted		450,553.3	484,210.8	450,352.6	9,968.5:	528,746.3	35,642.0	12,946.5	23,905.0									

¹This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes

Table F6: Non-Hispanic Asian Domain Summary

		P Sample (28,104 Cases)						Match Rate			Correction Ratio				
		E Sample (29,731 Cases)			Nonmover Match			Nomovers		Inmovers	Outmovers	Out-of-Scope	Total Matches	Total P-sample People	Correct Enumeration Rate
Resolved Cases	Sample Size	22,604	23,380	19,669	415	21,092	1,473	505	863						
1 Prior to Missing Adj.	Unweighted	22,588.0	23,380.0	19,669.0	415.0	21,092.0	1,473.0	505.0	863.0	20,873.4	22,565.0	0.9661	0.9250	1.0444	
Weighted	7,459,184.3	7,705,446.0	6,739,979.0	138,420.6	7,179,620.5	486,299.2	169,923.9	303,030.8	7,136,221.4	7,665,919.8	0.9680	0.9309	1.0399		
Resolved Cases	Added A.C.E. Day N!	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,897.5	0.0	0.0			
3 Resolved Cases	Added Census Day N!	Weighted	0.0	0.0	219,211.3	5,161.5	236,391.9	0.0	6,030.3	0.0					
Characteristic	Sample Size	3,589	4,105	1,171	81	1,277	58	88	108						
4 Imputation	Unweighted	3,585.5	4,105.0	1,171.0	81.0	1,277.0	58.0	88.0	108.0						
Only	Weighted	1,163,780.1	1,331,696.5	399,379.6	28,718.5	439,998.2	20,154.6	31,854.4	35,816.6						
Characteristic Imputation	Sample Size	0	0	7	8	32	0	17	0						
5 and Residence ICE	Unweighted	0.0	0.0	5.3	7.9	19.2	0.0	14.2	0.0						
6 ICE Only	Weighted	0.0	0.0	2,278.7	2,886.4	6,548.2	0.0	4,285.1	0.0						
Residence	Sample Size	0	0	16	16	171	0	43	0						
5 and Residence ICE	Unweighted	0.0	0.0	14.7	12.4	119.6	0.0	29.4	0.0						
7 Characteristic Imputation, Residence ICE and Match ICE	Weighted	0.0	0.0	4,988.9	3,186.6	43,021.4	0.0	8,469.1	0.0						
8 and Residence ICE	Sample Size	0	0	154	25	154	0	25	0						
9 and Match ICE	Unweighted	0.0	0.0	114.3	16.7	134.3	0.0	21.7	0.0						
Characteristic Imputation	Weighted	0.0	0.0	39,471.3	5,296.8	45,671.3	0.0	6,862.7	0.0						
10 Correct Enumeration ICE and Only	Sample Size	0	0	167	81	167	0	81	0						
11 TES Cases ¹	Unweighted	0.0	0.0	133.7	49.9	147.3	0.0	70.5	0.0						
Weighted	0.0	0.0	49,668.4	17,720.6	54,348.2	0.0	24,809.8	0.0							
12 Total	Sample Size	933	1,362	927	57	1,821	0	108	21						
Weighted	910.2	1,362.0	925.8	56.9	1,816.0	0.0	107.8	21.0							
Total	Unweighted	312,256.0	359,047.7	349,335.0	17,192.5	551,005.6	0.0	28,732.3	6,727.0						
TES	Weighted														

¹ This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table F7: Non-Hispanic White or Some Other Race Domain Summary

		P Sample (475,213 Cases)						Correct Enumeration Rate			Match Rate		Correction Ratio	
		Nonmover Matches	Outmover Matches	Nonmovers	Inmovers	Outmovers	Out-of-Scope	Total Matches	Total P-sample People					
E Sample (462,624 Cases)	Correct Enumerations													
1 Prior to Missing Adj.	Sample Size	380,331	389,780	350,885	8,547	366,263	22,140	10,148	17,770 ¹					
	Unweighted	380,172.7	389,780.0	350,885.0	8,547.0	366,263.0	22,140.0	10,148.0	17,770.0	369,079.9	387,881.0	0.9515	1.0250	
	Weighted	158,828,990.8	162,525,943.9	151,302,515.5	3,522,062.4	157,564,623.6	8,481,850.5	4,175,332.1	7,134,330.5 ¹	158,319,874.6	165,864,875.4	0.9773	0.9545	
2 Resolved Cases	Added A.C.E. Day NI	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	101,906.3	0.0	0.0			
3 Resolved Cases	Added Census Day NI	Weighted	0.0	0.0	3,497,553.8	106,239.4	3,698,663.7	0.0	127,726.1	0.0				
Characteristic	Sample Size	35,095	42,162	14,522	1,250	15,814	833	1,488	1,336					
4 Imputation	Unweighted	35,069.8	42,162.0	14,522.0	1,250.0	15,814.0	833.0	1,488.0	1,336.0					
Only	Weighted	14,140,268.5	16,866,774.9	6,433,663.1	525,953.7	6,980,865.5	321,052.8	619,607.1	553,856.0					
Characteristic Imputation	Sample Size	0	0	127	158	437	0	314	0					
5 and Residence ICE	Unweighted	0.0	0.0	115.8	144.0	342.3	0.0	255.2	0.0					
	Weighted	0.0	0.0	51,768.5	62,827.6	155,864.8	0.0	111,890.2	0.0					
6 Residence	Sample Size	0	0	144	184	1,737	0	814	0					
	Unweighted	0.0	0.0	134.7	165.2	1,173.9	0.0	541.5	0.0					
	Weighted	0.0	0.0	60,980.6	64,707.3	487,920.6	0.0	226,091.7	0.0					
7 Characteristic Imputation, Residence ICE and Match ICE	Sample Size	0	0	1,786	596	1,786	0	596	0					
Only	Unweighted	0.0	0.0	1,262.0	374.4	1,472.5	0.0	498.8	0.0					
	Weighted	0.0	0.0	561,432.0	147,338.8	648,507.5	0.0	193,946.6	0.0					
8 Residence ICE and Match ICE	Sample Size	0	0	1,393	914	1,393	0	914	0					
	Unweighted	0.0	0.0	1,050.1	571.6	1,155.9	0.0	767.0	0.0					
	Weighted	0.0	0.0	468,367.9	234,754.7	512,461.0	0.0	310,319.7	0.0					
9 Characteristic Imputation and Correct Enumeration ICE	Sample Size	1,380	1,382	0	0	0	0	0	0					
	Unweighted	1,022.0	1,382.0	0.0	0.0	0.0	0.0	0.0	0.0					
	Weighted	345,520.4	470,202.8	0.0	0.0	0.0	0.0	0.0	0.0					
10 Correct Enumeration ICE only	Sample Size	8,048	8,055	0	0	0	0	0	0					
	Unweighted	6,437.2	8,055.0	0.0	0.0	0.0	0.0	0.0	0.0					
	Weighted	2,061,296.7	2,686,104.6	0.0	0.0	0.0	0.0	0.0	0.0					
11 TES Cases ¹	Sample Size	14,194	21,245	13,526	665	29,176	0	1,629	625					
	Unweighted	13,943.5	21,245.0	13,522.7	663.1	29,080.8	0.0	1,578.6	625.0					
	Weighted	5,694,699.0	6,269,647.9	6,587,360.1	293,574.4	10,037,895.0	0.0	514,718.3	189,320.4					
12 Total	Sample Size	439,048	462,624	382,383	12,314	416,606	22,973	15,903	19,731					
	Unweighted	436,645.2	462,624.0	381,492.4	11,715.3	415,302.4	22,973.0	15,277.1	19,731.0					
	Weighted	181,070,775.4	188,818,674.2	168,954,141.6	4,957,458.3	180,086,801.7	8,904,809.6	6,279,631.7	7,877,506.9 ¹	175,891,314.6	188,822,313.8	0.9590	0.9315	1.0295

¹ This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table G1: 0-17 Summary

		P Sample (193,466 Cases)						Correct Enumeration Rate			Match Rate		Correction Ratio
		Nonmover Matches	Outmover Matches	Nonmovers	Inmovers	Outmovers	Out-of-Scope	Total Matches	Total P-sample People				
1	Prior to Missing Adj.	Sample Size	146,322	149,837	139,949	2,614	150,497	9,644	3,225	5,496			
	Unweighted	146,252.4	149,837.0	139,949.0	2,614.0	150,497.0	9,644.0	3,225.0	5,496.0	147,728.6	160,093.0	0.9761	0.9228
	Weighted	54,455,807.7	55,655,023.5	55,707,347.3	969,726.5	57,264,659.6	3,396,427.7	1,177,346.3	1,902,512.6	56,483,847.7	60,644,914.7	0.9785	0.9314
2	Resolved Cases	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0505
3	Added A.C.E. Day N!	Weighted	0.0	0.0	1,284,840.0	26,336.8	1,395,959.5	0.0	31,619.3	0.0			
4	Characteristic Imputation Only	Sample Size	22,850	25,918	5,377	303	6,068	283	380	380	513		
	Unweighted	22,838.5	25,918.0	5,377.0	303.0	6,068.0	283.0	380.0	380.0	380.0	513.0		
	Weighted	7,933,015.4	8,969,212.4	2,087,578.2	109,308.7	2,335,190.0	95,495.7	132,104.6	184,216.1				
5	Characteristic Imputation and Residence ICE	Sample Size	0	0	31	36	155	0	76	0			
	Unweighted	0.0	0.0	26.4	34.0	113.0	0.0	62.8	0.0	62.8	0.0		
	Weighted	0.0	0.0	9,658.2	12,887.2	38,893.0	0.0	20,692.9	0.0	20,692.9	0.0		
6	Residence ICE Only	Sample Size	0	0	45	24	947	0	223	0			
	Unweighted	0.0	0.0	38.2	22.0	632.1	0.0	149.2	0.0	149.2	0.0		
	Weighted	0.0	0.0	14,225.0	6,808.8	220,299.3	0.0	49,694.4	0.0	49,694.4	0.0		
7	Characteristic Imputation, Residence ICE and Match ICE	Sample Size	0	0	1,022	476	1,022	0	476	0			
	Unweighted	0.0	0.0	735.8	300.8	861.6	0.0	404.6	0.0	404.6	0.0		
	Weighted	0.0	0.0	294,244.7	118,620.3	341,138.3	0.0	157,418.0	0.0	157,418.0	0.0		
8	Residence ICE and Match ICE	Sample Size	0	0	916	785	916	0	785	0			
	Unweighted	0.0	0.0	703.9	494.2	778.7	0.0	669.1	0.0	669.1	0.0		
	Weighted	0.0	0.0	286,072.8	186,877.2	313,454.5	0.0	249,382.1	0.0	249,382.1	0.0		
9	Characteristic Imputation and Correct Enumeration ICE	Sample Size	799	799	0	0	0	0	0	0	0		
	Unweighted	597.3	799.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	Weighted	180,421.3	243,049.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
10	Correct Enumeration ICE only	Sample Size	3,503	3,508	0	0	0	0	0	0	0		
	Unweighted	2,657.5	3,508.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	Weighted	820,713.7	1,104,699.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
11	TES Cases ¹	Sample Size	5,617	8,392	5,554	166	12,151	0	437	172			
	Unweighted	5,514.6	8,392.0	5,549.7	166.0	12,100.1	0.0	427.1	172.0				
	Weighted	1,963,737.2	2,148,795.2	2,586,457.9	79,572.1	3,898,531.5	0.0	144,378.2	47,468.9				
12	Total TES Cases ¹	Sample Size	179,091	188,454	152,894	4,404	171,756	9,927	5,602	6,181			
	Unweighted	177,860.3	188,454.0	152,380.0	3,934.0	171,050.5	9,927.0	5,317.9	6,181.0	6,181.0			
	Weighted	65,353,695.3	68,120,780.6	60,270,424.0	1,510,137.7	65,808,125.7	3,529,561.9	1,962,635.8	2,134,197.5	62,977,929.6	69,325,154.9	0.9594	0.9084
Total												0.9438	0.8827
												0.9594	1.0561

¹ This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table G2: 18+ Male Summary

		E Sample (251,487 Cases)				P Sample (251,881 Cases)				Correct Enumeration Rate		Match Rate		Correction Ratio	
		Nonmover Matches	Outmover Matches	Namovers	Inmovers	Outmovers	Out-of-Scope	Total Matches	Total P-sample People						
1	Prior to Missing Adj.	195,377	201,612	177,069	4,919	188,711	12,818	6,056	10,391						
1	Unweighted	195,270.0	201,612.0	177,069.0	4,919.0	188,711.0	12,818.0	6,056.0	10,391.0	187,173.6	201,165.0	0.9685	0.9304	1.0409	
1	Weighted	75,704,749.5	77,936,177.0	70,735,067.7	1,891,394.1	74,859,227.1	4,617,731.1	2,316,857.7	3,838,229.5	74,408,436.4	79,360,239.5	0.9714	0.9376	1.0360	
2	Resolved Cases														
2	Added A.C.E. Day N!	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	Resolved Cases	Weighted	0.0	0.0	1,860,740.2	61,341.1	2,018,256.1	0.0	75,929.5	0.0					
3	Added Census Day N!	Weighted	0.0	0.0	1,860,740.2	61,341.1	2,018,256.1	0.0	75,929.5	0.0					
4	Characteristic	Sample Size	26,250	31,284	8,424	774	9,375	568	930	930	844				
4	Imputation	Unweighted	26,217.1	31,284.0	8,424.0	774.0	9,375.0	568.0	930.0	930.0	844.0				
4	Only	Weighted	9,228,693.2	10,987,821.8	3,419,072.8	310,450.5	3,772,629.9	205,082.2	368,173.7	368,173.7	308,219.6				
5	Characteristic Imputation and Residence ICE	Sample Size	0	0	81	82	324	0	191	0					
5	Unweighted	0.0	0.0	72.2	78.7	243.7	0.0	149.3	0.0						
5	Weighted	0.0	0.0	31,702.2	33,156.4	97,897.0	0.0	64,207.5	0.0						
6	Residence ICE	Sample Size	0	0	125	128	1,741	0	585	0					
6	ICE Only	Unweighted	0.0	0.0	114.4	115.5	1,139.8	0.0	395.3	0.0					
6	Weighted	0.0	0.0	46,765.4	46,077.7	420,968.8	0.0	158,624.5	0.0						
7	Characteristic Imputation, Residence ICE and Match ICE	Sample Size	0	0	910	229	910	0	229	0					
7	Unweighted	0.0	0.0	645.3	141.7	764.3	0.0	193.8	0.0						
7	Weighted	0.0	0.0	262,415.0	50,320.5	308,183.9	0.0	158,624.5	0.0						
8	Residence ICE and Match ICE	Sample Size	0	0	762	313	762	0	313	0					
8	Unweighted	0.0	0.0	592.4	198.5	652.1	0.0	267.9	0.0						
8	Weighted	0.0	0.0	237,137.1	79,284.1	260,015.2	0.0	106,328.6	0.0						
9	Characteristic Imputation and Correct Enumeration ICE	Sample Size	1,432	1,433	0	0	0	0	0	0					
9	Unweighted	1,030.5	1,433.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
9	Weighted	324,314.9	451,865.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
10	Correct Enumeration ICE only	Sample Size	5,945	5,949	0	0	0	0	0	0					
10	Unweighted	4,484.3	5,949.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
10	Weighted	1,361,440.5	1,873,801.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
11	TES Cases ¹	Sample Size	7,531	11,209	7,029	369	15,755	0	963	415					
11	Unweighted	7,341.8	11,209.0	7,026.5	366.3	15,688.5	0.0	920.8	415.0						
11	Weighted	2,786,471.1	3,104,554.9	3,223,215.3	150,119.4	5,152,873.8	0.0	273,585.5	122,627.8						
12	Total TES Cases ¹	Sample Size	236,535	251,487	194,400	6,814	217,578	13,386	9,267	11,650					
12	Unweighted	234,343.7	251,487.0	193,943.9	6,593.7	216,574.5	13,386.0	8,913.2	11,650.0	203,614.9	229,634.6	0.9318	0.8867	1.0509	
12	Weighted	89,405,669.2	94,354,221.1	79,816,115.5	2,622,143.7	86,890,051.7	4,883,805.9	3,431,976.8	4,269,076.9	83,469,948.7	91,665,753.6	0.9476	0.9106	1.0406	

¹This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table G3: 18+ Female Summary

		P Sample (276,387 Cases)						Correct Enumeration Rate			Match Rate		Correction Ratio						
		E Sample (272,959 Cases)		Nonmover		Outmover		Nonmovers		Inmovers		Outmovers		Out-of-Scope		Total Matches		Total P-sample People	
	Resolved Cases	Sample Size	213,901	220,054	200,792	5,080	211,222	12,770	6,054	9,999									
1	Prior to Missing Adj.	Unweighted	213,785.2	220,054.0	200,792.0	5,080.0	211,222.0	12,770.0	6,054.0	9,999.0	211,229.3	223,696.0	0.9715	0.9443	1.0289				
	Weighted	82,418,088.8	84,603,628.0	80,015,139.7	1,935,130.4	83,731,370.0	4,657,806.3	2,303,195.5	3,738,936.8	83,830,570.2	88,289,004.4	0.9742	0.9495	1.0260					
2	Resolved Cases	Added A.C.E. Day NI	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
3	Resolved Cases	Added Census Day NI	Weighted	0.0	0.0	2,097,436.9	64,801.8	2,233,353.4	0.0	76,984	0.0								
Characteristic	Sample Size	28,944	33,832	9,767	793			10,717	540	933	933	803							
4	Unweighted	28,922.4	33,832.0	9,767.0	793.0			10,717.0	540.0	933.0	933.0	803.0							
Imputation Only	Weighted	10,300,792.5	12,025,463.3	3,948,194.2	315,468.0			4,309,160.5	201,897.6	370,123.6	300,010.1								
Characteristic Imputation	Sample Size	0	0	88	100			323	0	201	0								
5 and Residence	Unweighted	0.0	0.0	77.5	90.7			247.4	0.0	155.3	0.0								
Residence ICE	Weighted	0.0	0.0	34,431.3	35,576.8			100,466.3	0.0	65,419.7	0.0								
6	Residence	Sample Size	0	0	96	118		1,287	0	484	0								
ICE Only	Unweighted	0.0	0.0	89.9	102.5			860.5	0.0	321.6	0.0								
7	Characteristic Imputation, Residence ICE and Match ICE	Sample Size	0	0	39,713.9	39,826.6		327,356.2	0.0	122,469.9	0.0								
8 and Residence ICE	Unweighted	0.0	0.0	903	260			903	0	260	0								
Match ICE	Weighted	0.0	0.0	265,042.9	61,559.4			306,752.3	0.0	81,275.7	0.0								
9	Characteristic Imputation	Sample Size	0	0	841	401		841	0	401	0								
and Correct Enumeration ICE	Unweighted	0.0	0.0	645.1	256.3			713.8	0.0	341.7	0.0								
10 only	Weighted	0.0	0.0	266,752.1	100,610.6			293,191.9	0.0	133,055.3	0.0								
11 TES Cases ¹	Sample Size	1,122	1,124	0	0			0	0	0	0								
Total	Unweighted	809.4	1,124.0	0.0	0.0			0.0	0.0	0.0	0.0								
	Weighted	250,147.6	350,642.6	0.0	0.0			0.0	0.0	0.0	0.0								
	Sample Size	5,213	5,216	0	0			0	0	0	0								
	Unweighted	4,035.2	5,216.0	0.0	0.0			0.0	0.0	0.0	0.0								
	Weighted	1,239,518.6	1,647,301.9	0.0	0.0			0.0	0.0	0.0	0.0								
	Sample Size	8,722	12,733	8,364	406			17,287	0	956	406								
	Unweighted	8,560.5	12,733.0	8,363.0	405.7			17,221.1	0.0	928.3	406.0								
	Weighted	3,134,326.2	3,476,824.9	3,799,681.9	163,026.1			5,705,355.6	0.0	295,057.7	119,741.5								
	Sample Size	257,902	272,959	220,851	7,158			242,580	13,310	9,289	11,208								
	Unweighted	256,112.7	272,959.0	220,384.8	6,895.1			241,741.7	13,310.0	8,958.3	11,208.0								
	Weighted	97,336,873.8	102,103,860.8	90,466,392.9	2,715,999.8			97,007,006.2	4,918,707.4	3,447,585.8	4,158,688.4								
Total																			

¹ This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table H1: Owner Summary

		E Sample (468,467 Cases)						P Sample (471,791 Cases)								
		Correct Enumerations		Nonmover Matches		Outmover Matches		Nomovers		Outmovers		Out-of-Scope		Total Matches		
		Sample Size	383,947	392,750	363,411	4,760	379,844	13,369	5,692	17,930				Total P-sample People	Match Rate	Correction Ratio
1 Prior to Missing Adj.	Resolved Cases	Sample Size	383,862.2	392,750.0	363,411.0	4,760.0	379,844.0	13,369.0	5,692.0	17,930.0	374,035.6	392,563.0	0.9774	0.9528	1.0258	
	Unweighted													0.9793	0.9579	1.0223
	Weighted		154,284,435.3	157,553,529.5	149,971,584.8	1,956,883.1	156,004,843.5	5,004,060.0	2,309,686.8	6,800,309.3	154,022,636.1	160,789,076.2				
2 Added A.C.E. Day N!	Resolved Cases															
	Added Census Day N!	Weighted														
	Resolved Cases	Weighted		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53,591.3	0.0	0.0	0.0	
3 Added Census Day N!	Added Census Day N!	Weighted		0.0	0.0	0.0	0.0	3,221,955.5	58,086.3	3,392,137.3	0.0	69,051.3	0.0			
	Characteristic	Sample Size	46,163	52,543	16,353	517	17,759	519	638	1,410						
	4 Imputation Only	Unweighted	46,151.4	52,543.0	16,353.0	517.0	17,759.0	519.0	638.0	1,410.0						
5 and Residence ICE	Characteristic Imputation	Sample Size	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Unweighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	Weighted	17,228,591.5	19,589,513.6	6,845,825.1	213,739.3	7,390,875.1	196,880.0	260,194.2	534,121.9							
6 ICE Only	Residence	Sample Size	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Unweighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
7 Residence CE and Match CE	Characteristic Imputation,	Sample Size	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Unweighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
8 and Match ICE	Residence ICE	Sample Size	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Unweighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
9 and Correct Enumeration ICE	Characteristic Imputation	Sample Size	1,046	1,047	0	0	0	0	0	0	0	0	0	0	0	
	Unweighted	745.4	1,047.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	Weighted	254,920.7	355,700.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
10 only	Correct Enumeration ICE	Sample Size	4,009	4,015	0	0	0	0	0	0	0	0	0	0	0	
	Unweighted	2,994.3	4,015.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	Weighted	1,063,411.2	1,437,000.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
11 TES Cases ¹	Sample Size	11,406	18,112	11,525	245	27,080	0	0	0	0	0	0	0	0	513	
	Unweighted	11,255.4	18,112.0	11,522.5	244.9	27,009.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	Weighted	4,989,974.3	5,511,029.9	5,907,821.5	117,272.0	8,938,724.6	0.0	198,117.4	151,125.1							
12 Total	Sample Size	446,571	468,467	394,810	6,329	429,900	13,858	8,150	19,853							
	Unweighted	445,008.7	468,467.0	393,914.1	6,056.6	428,623.4	13,888.0	7,858.6	19,853.0	404,127.7	441,920.8		0.9499	0.9145	1.0388	
	Weighted	177,821,333.2	184,446,773.6	167,086,200.6	2,562,607.3	177,411,910.1	5,254,531.3	3,176,541.7	7,485,556.3	171,142,382.5	182,462,545.2		0.9641	0.9380	1.0278	

¹ This total includes TES cases with TES weight = 0 These cases were not selected for the TES sample but are documented here for accounting purposes

Table H2: Non-Owner Summary

		P Sample (249,943 Cases)						Correct Enumeration Rate			Match Rate		Correction Ratio		
		E Sample (244,433 Cases)			Nonmover Matches			Nomovers		Outmovers		Out-of-Scope		Total P-sample People	
		Correct Enumerations		Enumerations	Nonmover Matches		Outmover Matches	Nomovers		Outmovers		Out-of-Scope		Total P-sample People	
Resolved Cases	Sample Size	171,653	178,753	154,399	7,853	170,586	21,863	9,643	7,956	172,095.9	192,391.0	0.9591	0.8945	1.0722	
1 Prior to Missing Adj.	Unweighted	171,445.4	178,753.0	154,399.0	7,853.0	170,586.0	21,863.0	9,643.0	7,956.0	172,095.9	192,391.0	0.9591	0.8945	1.0722	
Weighted	58,294,210.7	60,641,299.0	54,485,969.9	2,839,368.0	59,850,413.2	7,667,905.2	3,487,712.8	2,679,369.6	60,700,218.3	67,505,082.4	60,700,218.3	0.9613	0.8992	1.0691	
Resolved Cases	Added A.C.E. Day N!	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3 Resolved Cases	Added Census Day N!	Weighted	0.0	0.0	2,021,061.6	94,393.4	2,255,431.7	0.0	0.0	115,445.9	0.0	0.0	0.0	0.0	
Characteristic	Sample Size	31,881	38,491	7,215	1,353	8,401	872	1,605	750	1,605	750	0.0	0.0	0.0	
4 Imputation	Unweighted	31,826.6	38,491.0	7,215.0	1,353.0	8,401.0	872.0	1,605.0	750.0	1,605.0	750.0	0.0	0.0	0.0	
Only	Weighted	10,233,909.6	12,392,984.0	2,609,020.1	521,488.0	3,026,105.4	305,595.5	610,207.7	258,323.8	610,207.7	258,323.8	0.0	0.0	0.0	
Characteristic Imputation	Sample Size	0	0	108	179	424	0	0	378	0	0	0.0	0.0	0.0	
5 and Residence ICE	Unweighted	0.0	0.0	93.5	167.7	329.6	0.0	0.0	309.7	0.0	0.0	0.0	0.0	0.0	
6 ICE	Weighted	0.0	0.0	40,233.8	63,338.5	128,556.8	0.0	0.0	121,968.2	0.0	0.0	0.0	0.0	0.0	
Residence	Sample Size	0	0	143	206	2,442	0	0	972	0	0	0.0	0.0	0.0	
7 Residence ICE and Match ICE	Unweighted	0.0	0.0	132.4	180.6	1,652.2	0.0	0.0	667.7	0.0	0.0	0.0	0.0	0.0	
Characteristic Imputation,	Sample Size	0	0	48,015.9	68,278.6	573,390.3	0.0	0.0	249,385.0	0.0	0.0	0.0	0.0	0.0	
8 and Residence ICE and Match ICE	Unweighted	0.0	0.0	975	666	975	0	0	666	0	0	0.0	0.0	0.0	
9 and Characteristic Imputation	Weighted	0.0	0.0	698.8	421.6	840.6	0.0	0.0	571.8	0.0	0.0	0.0	0.0	0.0	
10 only	Weighted	0.0	0.0	253,714.3	155,636.8	302,071.4	0.0	0.0	208,965.9	0.0	0.0	0.0	0.0	0.0	
11 TES Cases ¹	Sample Size	2,307	2,309	0	1,094	1,073	0	0	1,094	0	0	0.0	0.0	0.0	
12 Total	Unweighted	1,691.9	2,309.0	0.0	0.0	0.0	0.0	0.0	0.0	941.3	0.0	0.0	0.0	0.0	
Weighted	499,963.1	689,857.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	357,067.3	0.0	0.0	0.0	0.0	
13	Sample Size	10,652	10,658	0	0	0	0	0	0	0	0	0	0	0	
14	Unweighted	8,182.7	10,658.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Weighted	2,352,261.5	3,188,803.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	Sample Size	10,464	14,222	9,422	696	18,113	0	1,650	480	0	0	0	0	0	
16	Unweighted	10,161.4	14,222.0	9,416.6	693.1	18,000.8	0.0	1,592.4	480.0	0	0	0	0	0	
Weighted	2,894,560.2	3,219,145.1	3,701,533.5	275,445.7	5,818,036.3	0.0	514,904.0	138,713.1	0	0	0	0	0	0	
17	Sample Size	226,957	244,433	173,335	12,047	202,014	22,735	16,008	9,186	0	0	0	0	0	
18	Unweighted	223,307.9	244,433.0	172,794.6	11,366.2	200,743.3	22,735.0	15,380.8	9,186.0	0	0	0	0	0	
Weighted	74,274,905.1	80,132,088.3	63,466,731.8	4,285,673.9	72,293,273.6	8,077,543.8	5,665,656.7	3,076,406.5	69,568,325.4	80,357,271.9	69,568,325.4	0.9269	0.8657	1.0707	

¹ This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table 11: American Indian or Alaska Native on Reservation Domain Owner Summary

		P Sample (11,073 Cases)						Correct Enumeration Rate			Match Rate		Correction Ratio.		
		E Sample (9,998 Cases)			Nonmover Matches			Nomovers		Inmovers		Outmovers		Out-of-Scope	
		Correct Enumerations			Outmover Matches			Nomovers		Inmovers		Outmovers		Total Matches	
		Sample Size	8,153	8,372	6,866	141	7,605	400	168	929	929	7,202.0	8,005.0	0.9738	0.8997
1	Prior to Missing Adj	Unweighted	8,153.0	8,372.0	6,866.0	141.0	7,605.0	400.0	168.0	929.0	929.0	7,202.0	8,005.0	0.9738	0.8997
		Weighted	231,409.4	238,087.4	196,898.9	4,016.9	218,253.1	12,960.6	4,885.7	24,160.1	207,642.6	231,213.7	0.9720	0.8981	1.0823
2	Resolved Cases	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Resolved Cases	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	Added A.C.E Day NI	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Added Census Day NI	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Characteristic Imputation	Sample Size	1,108	1,195	292	15	359	6	22	88	88	88	88	88	88
7	4 Imputation Only	Unweighted	1,108.0	1,195.0	292.0	15.0	359.0	6.0	22.0	88.0	88.0	88.0	88.0	88.0	88.0
8	5 and Residence ICE	Weighted	32,054.1	34,451.5	8,705.0	442.3	10,496.7	152.7	646.2	2,452.5	2,452.5	2,452.5	2,452.5	2,452.5	2,452.5
9	6 Residence ICE	Sample Size	0	0	0	0	0	15	0	1	0	0	0	0	0
10	7 and Match ICE	Unweighted	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.1	0.0	0.0	0.0	0.0	0.0
11	8 Residence ICE	Weighted	0.0	0.0	0.0	0.0	0.0	238.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0
12	9 and Match ICE	Sample Size	0	0	0	0	0	100	0	6	0	0	0	0	0
13	10 Characteristic Imputation	Unweighted	0.0	0.0	0.0	0.0	0.0	62.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0
14	11 Residence ICE	Weighted	0.0	0.0	0.0	0.0	0.0	1,624.6	0.0	169.1	0.0	0.0	0.0	0.0	0.0
15	12 and Match ICE	Sample Size	0	0	0	0	0	16	0	6	0	0	0	0	0
16	13 Residence ICE	Unweighted	0.0	0.0	0.0	0.0	0.0	3.6	13.9	0.0	5.2	0.0	0.0	0.0	0.0
17	14 and Match ICE	Weighted	0.0	0.0	0.0	0.0	0.0	161.2	111.8	187.1	0.0	170.5	0.0	0.0	0.0
18	15 Residence ICE	Sample Size	0	0	0	0	0	18	3	18	0	3	0	0	0
19	16 and Match ICE	Unweighted	0.0	0.0	0.0	0.0	0.0	14.4	1.9	16.1	0.0	2.7	0.0	0.0	0.0
20	17 Characteristic Imputation	Weighted	0.0	0.0	0.0	0.0	0.0	426.2	54.6	497.6	0.0	79.2	0.0	0.0	0.0
21	18 and Correct Enumeration ICE	Sample Size	21	21	0	0	0	0	0	0	0	0	0	0	0
22	19 and Correct Enumeration ICE	Unweighted	13.4	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	20 and Correct Enumeration ICE	Weighted	527.0	718.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	21 TES Cases ¹	Sample Size	26	298	112	0	0	0	0	0	0	0	0	0	0
25	22 TES Cases ¹	Unweighted	25.4	298.0	112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	23 TES Cases ¹	Weighted	6,429.3	8,138.1	8,224.7	370.8	19,138.3	0.0	472.8	817.7	817.7	817.7	817.7	817.7	817.7
27	24 TES Cases ¹	Sample Size	9,420	9,998	7,304	168	9,367	406	248	1,052	1,052	1,052	1,052	1,052	1,052
28	25 TES Cases ¹	Unweighted	9,366.0	9,998.0	7,296.6	164.5	9,308.1	406.0	243.6	1,052.0	1,052.0	1,052.0	1,052.0	1,052.0	1,052.0
29	26 TES Cases ¹	Weighted	272,647.5	285,038.7	221,809.7	5,254.9	258,510.9	13,148.0	6,720.1	27,430.2	232,067.6	271,658.9	271,658.9	271,658.9	271,658.9

¹This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table I2: American Indian or Alaska Native off Reservation Domain Owner Summary

		E Sample (2,639 Cases)				P Sample (2,410 Cases)				Match Rate		Correction Ratio
		Correct Enumerations	Nonmover Matches	Outmover Matches	Nonmovers	Outmovers	Out-of-Scope	Total Matches	Total P-sample People	Correct Enumeration Rate		
1 Prior to Missing Adj.	Resolved Cases	Sample Size	1,947	2,016	1,775	22	1,865	95	33	107		
		Unweighted	1,947.0	2,016.0	1,775.0	22.0	1,865.0	95.0	33.0	107.0	1,813.5	
		Weighted	614,441.3	635,830.6	566,607.4	5,379.9	596,957.2	25,515.6	8,549.7	33,787.7	575,054.0	
2 Resolved Cases Added A.C.E Day NI	Resolved Cases	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		Added Census Day NI	Weighted	0.0	0.0	15,918.3	104.4	16,776.5	0.0	315.1	0.0	
		Characteristic	Sample Size	348	411	100	1	103	1	3	5	
4 Imputation Only		Unweighted	347.0	411.0	100.0	1.0	103.0	1.0	3.0	5.0		
		Weighted	110,911.5	126,829.2	36,758.4	315.9	38,324.4	166.4	1,302.2	1,247.9		
		Characteristic Imputation	Sample Size	0	0	5	1	6	0	1	0	
5 and Residence ICE		Unweighted	0.0	0.0	4.9	1.0	5.9	0.0	1.0	0.0		
		Weighted	0.0	0.0	362.9	632.9	423.3	0.0	632.9	0.0		
		Residence	Sample Size	0	0	1	0	7	0	1	0	
6 ICE Only		Unweighted	0.0	0.0	1.0	0.0	4.2	0.0	0.1	0.0		
		Weighted	0.0	0.0	344.1	0.0	1,388.9	0.0	7.6	0.0		
		Characteristic Imputation,	Sample Size	0	0	10	2	10	0	2	0	
7 Residence ICE and Match ICE		Unweighted	0.0	0.0	7.8	1.1	8.7	0.0	1.7	0.0		
		Weighted	0.0	0.0	2,957.3	458.4	3,282.1	0.0	742.9	0.0		
		Residence ICE	Sample Size	0	0	6	0	6	0	0	0	
8 and Match ICE		Unweighted	0.0	0.0	4.7	0.0	5.2	0.0	0.0	0.0		
		Weighted	0.0	0.0	1,538.7	0.0	1,639.3	0.0	0.0	0.0		
		Characteristic Imputation	Sample Size	18	18	0	0	0	0	0	0	
9 and Correct Enumeration ICE		Unweighted	15.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0		
		Weighted	1,696.2	2,672.5	0.0	0.0	0.0	0.0	0.0	0.0		
		Correct Enumeration ICE	Sample Size	29	29	0	0	0	0	0	0	
10 only		Unweighted	20.4	29.0	0.0	0.0	0.0	0.0	0.0	0.0		
		Weighted	4,906.0	8,055.4	0.0	0.0	0.0	0.0	0.0	0.0		
		TES	Sample Size	81	165	57	0	152	0	4	9	
11 TES Cases ¹		Unweighted	79.4	165.0	57.0	0.0	151.1	0.0	4.0	9.0		
		Weighted	21,796.4	23,769.1	27,047.3	0.0	36,697.3	0.0	807.6	2,488.6		
		Sample Size	2,423	2,639	1,954	26	2,149	96	44	121		
12 Total		Unweighted	2,408.9	2,639.0	1,950.4	25.1	2,143.1	96.0	42.8	121.0		
		Weighted	753,751.4	797,156.8	651,534.4	6,891.6	715,498.8	25,993.8	12,758.0	37,524.3	659,837.7	
											731,594.2	

¹ This total includes cases where the sample size is zero due to missing data or non-response. These cases are included in the total sample size but not in the correct enumeration count.

Table I3: Hispanic Domain Owner Summary

		P Sample (44,489 Cases)						Total P-sample People														
		E Sample (45,287 Cases)			Nonmover Matches			Nonmovers			Outmovers			Out-of-Scope			Correct Enumeration Rate		Match Rate		Correction Ratio	
Resolved Cases	Sample Size	31,073	31,849	32,834	495	35,448	1,580	637	1,195													
1 Prior to Missing Adj.	Unweighted	31,066.8	31,849.0	32,834.0	495.0	35,448.0	1,580.0	637.0	1,195.0													
	Weighted	11,037,831.5	11,284,970.1	11,936,685.3	171,743.9	12,801,322.3	577,736.7	218,812.7	433,007.6													
2 Resolved Cases																						
3 Added A.C.E. Day NI	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0													
3 Added Census Day NI	Weighted	0.0	0.0	0.0	0.0	301,593.0	5,342.5	328,631.9	0.0													
Characteristic	Sample Size	10,520	11,241	2,062	49	2,278	91	75	110													
4 Imputation Only	Unweighted	10,518.2	11,241.0	2,062.0	49.0	2,278.0	91.0	75.0	110.0													
Characteristic Imputation	Sample Size	0	0	7	3	36	0	6	0													
5 and Residence ICE	Unweighted	0.0	0.0	6.0	3.0	23.7	0.0	4.2	0.0													
5 and Residence	Weighted	0.0	0.0	2,524.0	1,262.8	7,136.8	0.0	1,555.6	0.0													
6 ICE Only	Sample Size	0	0	6	5	185	0	31	0													
6 ICE	Unweighted	0.0	0.0	5.9	4.9	115.2	0.0	17.1	0.0													
6 ICE Weighted	Weighted	0.0	0.0	1,978.8	2,446.4	38,473.2	0.0	7,113.6	0.0													
Characteristic Imputation, Residence ICE and Match ICE	Sample Size	0	0	178	33	178	0	33	0													
7 Residence ICE and Match ICE	Unweighted	0.0	0.0	132.0	21.9	153.1	0.0	28.6	0.0													
Residence ICE	Weighted	0.0	0.0	50,156.4	8,039.1	58,271.5	0.0	10,314.1	0.0													
8 and Match ICE	Sample Size	0	0	145	52	145	0	52	0													
8 and Match ICE	Unweighted	0.0	0.0	114.2	32.9	126.1	0.0	45.2	0.0													
Characteristic Imputation	Sample Size	237	237	0	0	53,997.8	0.0	14,906.3	0.0													
9 and Correct Enumeration ICE	Unweighted	172.0	237.0	0.0	0.0	0.0	0.0	0.0	0.0													
9 and Correct Enumeration ICE	Weighted	55,258.2	77,681.5	0.0	0.0	0.0	0.0	0.0	0.0													
10 only	Sample Size	412	413	0	0	0	0	0	0													
10 only	Unweighted	276.9	413.0	0.0	0.0	0.0	0.0	0.0	0.0													
10 only	Weighted	86,453.9	129,980.7	0.0	0.0	0.0	0.0	0.0	0.0													
11 TES Cases ¹	Sample Size	1,024	1,547	1,132	24	2,331	0	55	23													
11 TES Cases ¹	Unweighted	1,006.3	1,547.0	1,131.3	23.9	2,327.2	0.0	53.1	23.0													
11 TES Cases ¹	Weighted	371,949.3	408,274.0	507,900.6	9,894.3	757,264.0	0.0	21,654.4	8,446.4													
12 Total	Sample Size	43,266	45,287	36,364	661	40,601	1,671	889	1,328													
12 Total	Unweighted	43,040.3	45,287.0	36,285.4	630.6	40,471.3	1,671.0	880.2	1,328.0													
12 Total	Weighted	15,154,346.7	15,745,243.3	13,631,850.7	227,770.9	14,903,203.5	615,569.0	308,216.0	484,432.9	14,085,593.1												

¹ This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table 14: Non-Hispanic Black Domain Owner Summary

P Sample (44,636 Cases)										Correct Enumeration Rate			Match Rate		Correction Ratio.	
E Sample (46,552 Cases)			Nonmover Matches			Nomovers			Outmovers			Out-of-Scope			Total P-sample People	
	Correct Enumerations	Enumerations		Correct	Enumerations		Correct	Enumerations		Correct	Enumerations		Correct	Enumerations		
1 Prior to Missing Adj	Resolved Cases	Sample Size	35,127	36,350	33,078	405	35,735	1,185	540	1,483	1,483	1,483	0.9660	33,928.8	36,881.0	
	Unweighted	35,114.8	36,350.0	33,078.0	405.0	35,735.0	1,185.0	540.0	1,483.0	1,483.0	1,483.0	0.9667	33,923.7087	12,033,708.7	13,049,399.7	
	Weighted	12,119,431.4	12,536,379.9	11,722,651.6	146,898.7	12,635,719.4	424,938.8	192,588.4	520,196.9	12,033,708.7	12,033,708.7	12,033,708.7	0.9222	12,033,708.7	12,033,708.7	12,033,708.7
2 Resolved Cases	Added A.C.E Day NI	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Resolved Cases	Added Census Day NI	Weighted	0.0	0.0	322,812.0	3,630.6	351,938.7	0.0	4,693.9	4,693.9	4,693.9	0.0	4,693.9	4,693.9	4,693.9
4 Imputation Only	Characteristic	Sample Size	6,806	7,970	1,904	47	2,111	60	54	165	165	165	165	165	165	165
	Unweighted	6,805.7	7,970.0	1,904.0	47.0	2,111.0	60.0	54.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0
	Weighted	2,296,743.6	2,671,342.1	681,715.6	16,970.5	753,881.8	21,770.4	18,973.8	55,424.3	55,424.3	55,424.3	55,424.3	55,424.3	55,424.3	55,424.3	55,424.3
5 and Residence ICE	Characteristic Imputation	Sample Size	0	0	3	1	52	0	10	0	0	0	0	0	0	0
	Unweighted	0.0	0.0	2.1	1.0	36.1	0.0	2.9	0.0	2.9	0.0	2.9	0.0	2.9	0.0	2.9
	Weighted	0.0	0.0	953.7	412.9	8,589.9	0.0	1,332.0	0.0	1,332.0	0.0	1,332.0	0.0	1,332.0	0.0	1,332.0
6 ICE Only	Residence	Sample Size	0	0	20	6	285	0	26	0	0	0	0	0	0	0
	Unweighted	0.0	0.0	13.5	5.0	171.1	0.0	14.1	0.0	14.1	0.0	14.1	0.0	14.1	0.0	14.1
	Weighted	0.0	0.0	5,445.1	2,033.8	69,719.0	0.0	5,186.7	0.0	5,186.7	0.0	5,186.7	0.0	5,186.7	0.0	5,186.7
7 Residence ICE and Match ICE	Characteristic Imputation,	Sample Size	0	0	230	23	230	0	23	0	0	0	0	0	0	0
	Unweighted	0.0	0.0	168.1	14.8	200.0	0.0	19.9	0.0	19.9	0.0	19.9	0.0	19.9	0.0	19.9
	Weighted	0.0	0.0	61,131.5	5,166.9	72,973.1	0.0	6,982.8	0.0	6,982.8	0.0	6,982.8	0.0	6,982.8	0.0	6,982.8
8 and Match ICE	Residence ICE	Sample Size	0	0	228	33	228	0	33	0	0	0	0	0	0	0
	Unweighted	0.0	0.0	181.4	21.1	198.4	0.0	28.6	0.0	28.6	0.0	28.6	0.0	28.6	0.0	28.6
	Weighted	0.0	0.0	75,335.6	6,726.6	82,333.5	0.0	9,184.5	0.0	9,184.5	0.0	9,184.5	0.0	9,184.5	0.0	9,184.5
9 and Correct Enumeration ICE	Characteristic Imputation	Sample Size	188	188	0	0	0	0	0	0	0	0	0	0	0	0
	Unweighted	126.8	188.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Weighted	44,048.4	63,803.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 only	Correct Enumeration ICE	Sample Size	545	545	0	0	0	0	0	0	0	0	0	0	0	0
	Unweighted	384.9	545.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Weighted	127,322.4	181,284.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 TES Cases ¹	Sample Size	965	1,499	962	10	2,344	0	40	32	32	32	32	32	32	32	32
	Unweighted	940.8	1,499.0	962.0	10.0	2,331.9	0.0	38.2	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
	Weighted	324,036.8	368,175.4	442,163.6	3,026.0	716,728.3	0.0	6,877.7	10,638.6	10,638.6	10,638.6	10,638.6	10,638.6	10,638.6	10,638.6	10,638.6
12 Total	Sample Size	43,621	46,552	36,425	525	40,985	1,245	726	1,680	1,680	1,680	1,680	1,680	1,680	1,680	1,680
	Unweighted	43,373.0	46,552.0	36,309.1	503.9	40,783.5	1,245.0	697.7	1,680.0	1,680.0	1,680.0	1,680.0	1,680.0	1,680.0	1,680.0	1,680.0
Total	Weighted	14,911,582.6	15,820,984.5	13,312,208.7	184,866.0	14,691,883.7	452,189.8	245,819.7	586,259.8	13,642,687.6	13,642,687.6	13,642,687.6	13,642,687.6	13,642,687.6	13,642,687.6	13,642,687.6

¹ This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table 15: Native Hawaiian or Pacific Islander Domain Owner Summary

		P Sample (1,434 Cases)						Correct Enumeration Rate			Match Rate		Correction Ratio		
		E Sample (1,365 Cases)	Correct Enumerations	Nonmover Matches	Outmover Matches	Nonmovers	Inmovers	Outmovers	Out-of-Scope	Total Matches	Total P-sample People				
Resolved Cases	Sample Size	1,075	1,100	1,091	10	1,191	47	10	49						
1 Prior to Missing Adj	Unweighted	1,074 0	1,100 0	1,091 0	10 0	1,191 0	47 0	10 0	49 0	1,101 0	1,201 0	0.9764	0.9167	1.0650	
	Weighted	178,676.9	182,152.4	213,038.8	2,475 8	230,961.4	13,231 6	2,475 8	8,841.4	215,514.6	233,437.1	0.9809	0.9232	1.0625	
Resolved Cases	Added A.C.E Day NI	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
3 Added Census Day NI	Weighted	0.0	0.0	5,073 1	32.8	5,821.1	0.0	0.0	32.8	0.0					
Characteristic Imputation	Sample Size	185	222	40	0	56	3	0	0	4					
4 Imputation Only	Unweighted	185.0	222.0	40.0	0.0	56.0	3.0	0.0	0.0	4.0					
	Weighted	41,714.3	51,855.9	12,030.9	0.0	15,882.0	565.4	0.0	1,256.8						
Characteristic Imputation and Residence ICE	Sample Size	0	0	0	0	0	0	0	0	0	0				
5 and Residence ICE	Unweighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Residence ICE and Match ICE Only	Sample Size	0	0	0	0	0	7	0	0	0	0				
6 ICE	Unweighted	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0				
	Weighted	0.0	0.0	0.0	0.0	0.0	378.1	0.0	0.0	0.0	0.0				
Characteristic Imputation, Residence ICE and Match ICE	Sample Size	0	0	3	0	3	0	0	0	0	0				
7 Residence ICE and Match ICE	Unweighted	0.0	0.0	2.3	0.0	2.6	0.0	0.0	0.0	0.0	0.0				
	Weighted	0.0	0.0	481.6	0.0	534.4	0.0	0.0	0.0	0.0	0.0				
Residence ICE and Match ICE	Sample Size	0	0	4	1	4	0	1	0	0	0				
8 and Match ICE	Unweighted	0.0	0.0	3.1	0.7	3.5	0.0	0.9	0.0	0.0	0.0				
	Weighted	0.0	0.0	479.8	91.0	571.1	0.0	114.1	0.0	0.0	0.0				
Characteristic Imputation and Correct Enumeration ICE	Sample Size	10	10	0	0	0	0	0	0	0	0				
9 and Correct Enumeration ICE	Unweighted	8.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	Weighted	939.0	1,093.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Correct Enumeration ICE only	Sample Size	16	16	0	0	0	0	0	0	0	0				
10 only	Unweighted	10.3	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	Weighted	1,371.7	2,385.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
TES Cases ¹	Sample Size	3	17	19	0	52	0	6	1						
	Unweighted	2.9	17.0	19.0	0.0	52.0	0.0	6.0	1.0						
	Weighted	538.7	539.9	8,413.1	0.0	20,379.8	0.0	0.0	125.6						
11 TES Cases ¹	Sample Size	1,289	1,365	1,157	11	1,313	50	17	54						
	Unweighted	1,280.3	1,365.0	1,155.4	10.7	1,308.4	50.0	16.9	54.0						
	Weighted	223,240.7	238,027.4	239,517.2	2,598.6	274,527.9	13,942.5	2,622.6	10,223.9	242,116.8	277,150.5	0.9379	0.8736	1.0736	
12 Total												0.9379	0.8799	1.0660	
Total															

¹ This total includes TES cases with TES weight = 0 These cases were not selected for the TES sample but are documented here for accounting purposes

Table 16: Non-Hispanic Asian Domain Owner Summary

P Sample (16,720 Cases)										Correct Enumeration Rate				Match Rate		Correction Ratio.						
		E Sample (17,655 Cases)		Nonmovee Enumerations		Nonmovee Matches		Outmover Matches		Nonmovers		Inmovers		Outmovers		Out-of-Scope		Total Matches		Total P-sample People		
1	Prior to Missing Adj.	Resolved Cases	Sample Size	14,055	14,453	12,535	125	13,204	523	159	522	13,727.0	0.9721	0.9432	1.0306							
			Unweighted	14,049.5	14,453.0	12,535.0	125.0	13,204.0	523.0	159.0	522.0	12,947.6	0.9735	0.9491	1.0257							
2	Resolved Cases	Added A C E Day NI	Weighted	4,877,834.6	5,010,751.4	4,413,554.8	45,213.8	4,618,779.0	182,818.6	58,000.0	194,572.1	4,557,172.2	4,801,597.6									
3	Resolved Cases	Added Census Day NI	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	Characteristic Imputation	Sample Size	2,086	2,305	737	26	797	19	32	86												
		Unweighted	2,084.5	2,305.0	737.0	26.0	797.0	19.0	32.0	86.0												
5	Residence ICE Only	Weighted	708,210.1	786,433.7	269,229.9	9,442.5	291,111.7	7,133.6	12,015.0	28,332.4												
6	Characteristic Imputation, Residence ICE Only	Sample Size	0	0	1	0	12	0	3	0												
		Unweighted	0.0	0.0	1.0	0.0	5.6	0.0	2.9	0.0												
		Weighted	0.0	0.0	0.0	727.5	0.0	2,455.2	0.0	365.8	0.0											
7	Characteristic Imputation, Residence ICE and Match ICE Only	Sample Size	0	0	6	4	66	0	6	0												
		Unweighted	0.0	0.0	0.0	5.0	3.9	45.5	0.0	5.8	0.0											
		Weighted	0.0	0.0	0.0	1,999.5	972.8	18,019.5	0.0	1,707.0	0.0											
8	Residence ICE and Match ICE	Sample Size	0	0	104	11	104	0	11	0												
		Unweighted	0.0	0.0	77.9	73	90.6	0.0	9.5	0.0												
		Weighted	0.0	0.0	29,470.0	2,227.8	33,684.3	0.0	2,919.3	0.0												
9	Characteristic Imputation, Correct Enumeration ICE	Sample Size	0	0	91	36	91	0	36	0												
		Unweighted	0.0	0.0	72.8	23.2	80.3	0.0	31.2	0.0												
		Weighted	0.0	0.0	28,019.1	8,724.3	30,739.8	0.0	11,583.2	0.0												
10	Characteristic Imputation, Correct Enumeration ICE only	Sample Size	38	38	0	0	0	0	0	0												
		Unweighted	28.4	38.0	0.0	0.0	0.0	0.0	0.0	0.0												
		Weighted	9,123.5	12,439.1	0.0	0.0	0.0	0.0	0.0	0.0												
11	TES Cases ¹	Sample Size	193	193	0	0	0	0	0	0												
		Unweighted	155.0	193.0	0.0	0.0	0.0	0.0	0.0	0.0												
		Weighted	51,986.5	66,836.2	0.0	0.0	0.0	0.0	0.0	0.0												
12	Total	Sample Size	433	666	507	9	1,007	0	28	14												
		Unweighted	427.3	666.0	506.7	9.0	1,005.0	0.0	27.9	14.0												
		Weighted	168,679.6	192,094.3	191,250.9	1,799.4	314,758.4	0.0	5,185.7	5,229.2												
			16,805	17,655	13,981	211	15,281	542	275	622												
			16,744.7	17,655.0	13,935.4	194.4	15,228.0	542.0	268.3	622.0												
			5,815,834.3	6,068,554.7	5,046,618.0	69,504.0	5,427,469.9	192,226.4	93,449	228,133.7	5,189,336.8	5,619,696.3										

¹ This total includes TES cases¹ with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes

Table 17: Non-Hispanic White or Some Other Race Domain Owner Summary

		P Sample (351,029 Cases)						Correct Enumeration Rate			Match Rate		Correction Ratio												
		E Sample (344,971 Cases)			Nonmover Enumerations			Outmover Matches			Nonmovers			Inmovers			Outmovers			Out-of-Scope			Total Matches		
1	Prior to Missing Adj.	Sample Size	292,517	298,610	275,232	3,562	284,796	9,539	4,145	13,645	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Unweighted	292,457.0	298,610.0	275,232.0	3,562.0	284,796.0	9,539.0	4,145.0	13,645.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Weighted	125,224,810.2	127,665,357.7	120,922,147.8	1,581,154.0	124,902,851.2	3,766,858.1	1,823,974.6	5,585,743.5	124,044,284.3	128,488,110.6	0.9794	0.9631	0.9794	0.9631	0.9794	0.9631	0.9794	0.9631	0.9794	0.9631	0.9794	0.9631	1.0169
2	Resolved Cases	Added A C E Day NI	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0160
3	Resolved Cases	Added Census Day NI	Weighted	0.0	0.0	2,456,799.1	47,594.2	2,562,971.5	0.0	0.0	55,954.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	Characteristic Imputation	Sample Size	25,110	29,199	11,218	379	12,055	339	452	952	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Unweighted	25,103.0	29,199.0	11,218.0	379.0	12,055.0	339.0	452.0	952.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Weighted	10,436,104.2	12,074,264.1	5,055,217.8	168,288.5	5,423,072.5	135,320.0	199,789.3	402,429.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Characteristic Imputation and Residence ICE	Sample Size	0	0	0	76	34	257	0	69	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Unweighted	0.0	0.0	0.0	68.6	30.8	193.3	0.0	49.7	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Weighted	0.0	0.0	0.0	30,989.8	15,973.2	89,856.4	0.0	24,463.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	Residence ICE Only	Sample Size	0	0	0	90	49	883	0	250	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Unweighted	0.0	0.0	0.0	84.8	45.5	578.9	0.0	156.4	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Weighted	0.0	0.0	0.0	42,920.8	18,981.4	265,620.6	0.0	67,220.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
7	Characteristic Imputation, Residence ICE and Match ICE Only	Sample Size	0	0	0	1,319	224	1,319	0	224	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Unweighted	0.0	0.0	0.0	932.2	139.0	1,076.2	0.0	183.2	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Weighted	0.0	0.0	0.0	423,630.4	58,859.3	485,070.6	0.0	76,868.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
8	Residence ICE and Match ICE	Sample Size	0	0	0	954	280	954	0	280	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Unweighted	0.0	0.0	0.0	711.8	172.2	781.9	0.0	228.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Weighted	0.0	0.0	0.0	328,134.7	72,688.0	357,614.0	0.0	95,871.4	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
9	Characteristic Imputation and Correct Enumeration ICE	Sample Size	534	535	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Unweighted	381.8	535.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Weighted	143,328.5	197,292.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	Correct Enumeration ICE only	Sample Size	2,702	2,707	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Unweighted	2,080.5	2,707.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Weighted	789,143.0	1,044,814.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	TES Cases ¹	Sample Size	8,884	13,920	8,736	199	19,940	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Unweighted	8,773.3	13,920.0	8,734.5	198.9	19,899.6	0.0	0	513.9	399.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Weighted	4,096,544.2	4,510,039.1	4,722,821.4	102,181.5	7,053,758.5	0.0	163,119.2	123,378.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	Total TES	Sample Size	329,747	344,971	297,625	4,727	320,204	9,878	5,951	14,996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Unweighted	328,795.5	344,971.0	296,981.9	4,527.3	319,381.0	9,878.0	5,728.9	14,996.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Weighted	140,689,930.1	145,491,763.1	135,982,661.7	2,065,720.2	141,140,815.2	3,941,461.9	2,507,260.3	6,111,551.5	137,090,742.9	144,912,979.6	0.9670	0.9460	0.9670	0.9460	0.9670	0.9460	0.9670	0.9460	0.9670	0.9460	0.9670	0.9460	1.0222

¹This total includes TES cases with TES.weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table 18: American Indian or Alaska Native on Reservation Domain Non-Owner Summary

		P Sample (5,326 Cases)						Correct Enumeration Rate		
		E Sample (4,440 Cases)			Nonmover Matches			Outmovers		
		Correct Enumerations	Enumerations	Cultmover Matches	Nonmover Matches	Outmovers	Outmovers	Out-of-Scope	Total Matches	Total P-sample People
1 Prior to Missing Adj.	Resolved Cases	Sample Size	3,602	3,692	3,614	105	4,043	279	127	258
		Unweighted	3,602.0	3,692.0	3,614.0	105.0	4,043.0	279.0	127.0	258.0
		Weighted	108,868.0	111,472.9	107,961.0	2,886.0	120,541.7	9,223.6	3,398.2	6,827.9
2 Resolved Cases Added A.C.E Day NI	Resolved Cases	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	51.8	0.0
	Added Census Day NI	Weighted	0.0	0.0	2,467.0	95.0	2,752.4	0.0	112.5	0.0
	Characteristic Imputation	Sample Size	483	518	147	3	160	7	8	13
4 Imputation Only	Unweighted	483.0	518.0	147.0	3.0	160.0	7.0	8.0	13.0	
	Weighted	14,630.3	15,961.4	3,918.0	71.3	4,340.4	187.1	195.9	380.7	
	Characteristic Imputation 5 and Residence ICE	Sample Size	0	0	1	0	3	0	2	0
5 and Residence ICE	Unweighted	0.0	0.0	1.0	0.0	2.1	0.0	1.8	0.0	
	Weighted	0.0	0.0	23.2	0.0	58.0	0.0	149.9	0.0	
	Residence	Sample Size	0	0	0	1	29	0	13	0
6 ICE Only	Unweighted	0.0	0.0	0.0	1.0	12.5	0.0	11.7	0.0	
	Weighted	0.0	0.0	0.0	17.2	408.9	0.0	325.9	0.0	
	Characteristic Imputation, 7 Residence ICE and Match ICE	Sample Size	0	0	7	1	7	0	1	0
8 and Match ICE	Unweighted	0.0	0.0	4.9	0.4	6.1	0.0	0.9	0.0	
	Weighted	0.0	0.0	100.4	17.8	127.8	0.0	34.5	0.0	
	Residence ICE	Sample Size	0	0	4	9	4	0	9	0
9 and Correct Enumeration ICE	Unweighted	0.0	0.0	2.9	6.0	3.5	0.0	7.8	0.0	
	Weighted	0.0	0.0	100.1	229.7	124.5	0.0	294.3	0.0	
	Characteristic Imputation 10 and Correct Enumeration ICE	Sample Size	16	16	0	0	0	0	0	0
10 only	Unweighted	10.8	16.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Weighted	350.5	539.6	0.0	0.0	0.0	0.0	0.0	0.0	
	Correct Enumeration ICE	Sample Size	64	64	0	0	0	0	0	0
11 TES Cases ¹	Unweighted	40.0	64.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Weighted	1,065.6	1,840.4	0.0	0.0	0.0	0.0	0.0	0.0	
	Sample Size	13	150	9	2	328	0	28	7	
12 Total	Unweighted	12.1	150.0	9.0	2.0	328.0	0.0	24.6	7.0	
	Weighted	2,734.9	2,948.4	195.6	213.8	1,954.4	0.0	301.8	167.3	
	Sample Size	4,178	4,440	3,782	121	4,574	286	188	278	
TES	Unweighted	4,147.9	4,440.0	3,778.7	117.4	4,555.2	286.0	181.8	278.0	
	Weighted	127,649.2	132,762.8	114,765.3	3,530.8	130,308.2	9,462.5	4,813.0	7,375.8	
	Sample Size	4,178	4,440	3,782	121	4,574	286	188	278	

¹This total includes TES cases with TES weight = 0 These cases were not selected for the TES sample but are documented here for accounting purposes

Table I9: American Indian or Alaska Native off Reservation Domain Non-Owner Summary

		E Sample (2,025 Cases)						P Sample (2,031 Cases)						Correct Enumeration Rate		Match Rate		Correction Ratio	
		Correct Enumerations	Nonmover Matches	Outmover Matches	Nonmovers	Outmovers	Out-of-Scope	Total Matches	Total P-sample People										
1	Resolved Cases	Sample Size	1,480	1,527	1,216	91	1,352	242	109	61									
	Prior to Missing Adj	Unweighted	1,479.5	1,527.0	1,216.0	91.0	1,352.0	242.0	109.0	61.0	1,408.6	1,583.0	0.9689	0.8898	1.0889				
	Weighted		427,915.8	443,618.6	348,864.2	25,644.5	391,923.9	75,954.7	30,992.7	18,206.3	409,447.5	464,299.4	0.9646	0.8819	1.0938				
2	Resolved Cases	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	544.7	0.0	0.0	0.0	0.0				
3	Resolved Cases	Weighted	0.0	0.0	0.0	0.0	9,793.6	787.5	10,915.2	0.0	874.6	0.0							
Characteristic	Sample Size	267	302	56	7	63	2	8	10										
4	Imputation Only	Unweighted	265.5	302.0	56.0	7.0	63.0	2.0	8.0	10.0									
	Weighted		78,913.3	90,992.5	13,463.1	1,844.6	15,336.6	179.2	2,149.9	2,218.4									
Characteristic Imputation	Sample Size	0	0	1	9	3	0	0	10	0									
5 and Residence ICE	Unweighted	0.0	0.0	1.0	8.9	2.1	0.0	0.0	9.1	0.0									
	Weighted		0.0	0.0	379.1	558.8	533.4	0.0	567.5	0.0									
Residence	Sample Size	0	0	0	3	17	0	0	20	0									
6 ICE	Unweighted	0.0	0.0	0.0	3.0	9.9	0.0	0.0	14.1	0.0									
	Weighted		0.0	0.0	811.8	4,269.3	0.0	0.0	4,289.4	0.0									
Characteristic Imputation, Residence ICE and Match ICE	Sample Size	0	0	5	6	5	0	0	6	0									
7	Residence ICE and Match ICE	Unweighted	0.0	0.0	3.9	4.1	4.4	0.0	5.2	0.0									
	Weighted		0.0	0.0	2,541.0	1,066.9	2,820.0	0.0	1,349.5	0.0									
Residence ICE	Sample Size	0	0	4	9	4	0	0	9	0									
8 and Match ICE	Unweighted	0.0	0.0	3.1	4.8	3.5	0.0	7.8	0.0										
	Weighted		0.0	0.0	944.6	1,224.4	1,061.4	0.0	1,748.0	0.0									
Characteristic Imputation	Sample Size	19	19	0	0	0	0	0	0	0									
9 and Correct Enumeration ICE	Unweighted	11.4	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									
	Weighted	3,011.8	4,841.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0									
Correct Enumeration ICE	Sample Size	107	107	0	0	0	0	0	0	0									
10 only	Unweighted	83.5	107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									
	Weighted	20,221.2	27,783.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0									
TES 11 TES Cases ¹	Sample Size	43	70	39	5	84	0	18	8										
	Unweighted	42.6	70.0	39.0	5.0	84.0	0.0	18.0	8.0										
	Weighted	7,022.4	9,285.1	20,838.5	390.6	30,625.4	0.0	4,200.7	7,998.8										
12 Total	Sample Size	1,916	2,025	1,321	130	1,528	244	180	79										
	Unweighted	1,882.5	2,025.0	1,319.0	123.8	1,518.9	244.0	171.3	79.0	1,488.4	1,753.8	0.9296	0.8486	1.0655					
	Weighted	537,084.5	576,526.8	396,844.0	32,329.1	457,485.3	76,678.6	46,172.4	28,423.5	449,216.7	530,674.3	0.9316	0.8465	1.1005					

¹ This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table 110: Hispanic Domain Non-Owner Summary

		P Sample (55,901 Cases)						Correct Enumeration Rate			Match Rate			Correction Ratio..					
		E Sample (55,499 Cases)			Nonmover Matches			Outmover Matches		Nonmovers		Inmovers		Outmovers		Out-of-Scope		Total P-sample People	
		Correct Enumerations		Enumerations															
1 Prior to Missing Adj.	Resolved Cases	Sample Size	34,579	36,081	35,493	1,253		39,984	4,173	1,631							1,562		
		Unweighted	34,528.7	36,081.0	35,493.0	1,253.0		39,984.0	4,173.0	1,631.0							1,562.0	38,709.3	44,148.0
		Weighted	10,795,918.3	11,257,486.5	11,477,320.1	418,981.6		12,900,190.8	1,424,157.7	540,941.1							12,574,124.5	14,322,281.5	0 9590 0.8779 1.0923
2 Resolved Cases	Added ACE Day NI	Weighted	0.0	0.0	0.0			0.0	0.0	0.0							0.0	0.0	0.0
	Resolved Cases	Weighted	0.0	0.0	0.0			416,687.6	15,867.9	477,611.4							0.0	19,364.3	0.0
3 Added Census Day NI	Characteristic	Sample Size	12,308	13,671	1,689	237		2,005	179	281								165	
		Unweighted	12,292.3	13,671.0	1,689.0	237.0		2,005.0	179.0	281.0								165.0	
		Weighted	3,773,854.9	4,162,530.3	577,728.9	81,009.5		634,948.7	61,486.2	92,808.7								50,876.2	
4 Imputation Only	Characteristic Imputation	Sample Size	0	0	28	21		103	0	61								0	
		Unweighted	0.0	0.0	24.2	20.8		80.4	0.0	46.5								0.0	
		Weighted	0.0	0.0	10,484.4	6,464.3		29,348.2	0.0	17,304.2								0.0	
5 and Residence ICE	Characteristic Imputation	Sample Size	0	0	26	30		626	0	160								0	
		Unweighted	0.0	0.0	25.5	27.0		423.6	0.0	110.1								0.0	
		Weighted	0.0	0.0	10,511.1	12,304.2		146,690.3	0.0	40,677.1								0.0	
6 ICE and Match ICE Only	Characteristic Imputation, Residence ICE	Sample Size	0	0	194	159		194	0	159								0	
		Unweighted	0.0	0.0	140.6	102.5		169.8	0.0	139.1								0.0	
		Weighted	0.0	0.0	44,436.5	38,629.9		53,098.6	0.0	51,857.9								0.0	
7 Residence ICE and Match ICE	Characteristic Imputation, Residence ICE	Sample Size	0	0	260	223		260	0	223								0	
		Unweighted	0.0	0.0	204.3	145.5		229.8	0.0	196.0								0.0	
		Weighted	0.0	0.0	69,781.4	52,650.5		77,749.7	0.0	70,871.6								0.0	
8 and Match ICE	Characteristic Imputation	Sample Size	748	749	0	0		0	0	0							0	0	
		Unweighted	547.3	749.0	0.0	0.0		0.0	0.0	0.0							0	0	
		Weighted	164,606.7	228,868.9	0.0	0.0		0.0	0.0	0.0							0	0	
9 and Correct Enumeration ICE	Correct Enumeration ICE	Sample Size	2,323	2,326	0	0		0	0	0							0	0	
		Unweighted	1,664.4	2,326.0	0.0	0.0		0.0	0.0	0.0							0	0	
		Weighted	492,271.7	714,821.9	0.0	0.0		0.0	0.0	0.0							0	0	
10 only	Correct Enumeration ICE	Sample Size	1,850	2,672	2,156	82		3,850	0	222							63		
		Unweighted	1,792.7	2,672.0	2,155.5	81.1		3,822.7	0.0	206.8							63.0		
		Weighted	445,652.7	525,898.8	801,398.4	25,726.4		1,238,278.6	0.0	60,322.4							16,747.0		
11 TES Cases ¹	Sample Size	51,808	55,499	39,846	2,005		47,022	4,352	2,737								1,790		
		Unweighted	50,825.4	55,499.0	39,732.2	1,866.9		46,715.3	4,352.0	2,610.5							1,790.0		
		Weighted	15,672,304.2	16,889,606.4	13,402,348.3	651,634.2		15,657,916.3	1,502,160.1	894,147.4							14,495,340.9	17,157,423.3	1,927.9 0.8448 1.0983
12 Total TES	Sample Size	51,808	55,499	39,846	2,005		47,022	4,352	2,737								1,790		
		Unweighted	50,825.4	55,499.0	39,732.2	1,866.9		46,715.3	4,352.0	2,610.5							1,790.0		

¹ This total includes TES cases with TES.weight = 0 These cases were not selected for the TES sample but are documented here for accounting purposes

Table H11: Non-Hispanic Black Domain Non-Owner Summary

E Sample (51,215 Cases)			P Sample (49,577 Cases)			Correct Enumeration Rate			Match Rate			Correction Ratio		
Correct Enumerations			Nonmover Matches			Nonmovers			Outmovers			Out-of-Scope		
Resolved Cases	Sample Size	34,492	36,190	30,381	1,103	34,812	3,506	1,397	1,545					
1 Prior to Missing Adj	Unweighted	34,447.5	36,190.0	30,381.0	1,103.0	34,812.0	3,506.0	1,397.0	1,545.0	33,136.1	38,318.0	0.9519	0.8648	1.1007
	Weighted	10,595,760.4	11,088,901.4	9,677,451.8	352,012.2	11,020,785.6	1,119,682.2	442,627.3	471,256.0	10,561,258.5	12,140,467.9	0.9555	0.8639	1.0984
Resolved Cases	Added A.C.E. Day N!	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
3 Added Census Day N!	Weighted	0.0	0.0	438,989.1	14,902.3	503,429.0	0.0	0.0	18,600.0	0.0				
Characteristic Imputation	Sample Size	7,140	9,003	1,531	179	1,872	149	214	150					
4 Imputation Only	Unweighted	7,124.0	9,003.0	1,531.0	179.0	1,872.0	149.0	214.0	150.0					
	Weighted	2,172,143.0	2,739,528.3	494,347.8	61,495.9	603,039.1	44,164.4	74,921.4	44,935.1					
Characteristic Imputation and Residence ICE	Sample Size	0	0	21	15	111	0	44	0					
5 and Residence ICE	Unweighted	0.0	0.0	15.8	14.9	78.7	0.0	33.5	0.0					
	Weighted	0.0	0.0	7,017.3	6,285.2	27,599.8	0.0	12,310.6	0.0					
Residence 6 ICE and Only	Sample Size	0	0	51	25	798	0	176	0					
	Unweighted	0.0	0.0	45.3	21.4	527.8	0.0	122.0	0.0					
	Weighted	0.0	0.0	15,797.5	7,205.8	172,787.8	0.0	37,774.9	0.0					
Characteristic Imputation, Residence ICE and Match ICE	Sample Size	0	0	249	113	249	0	113	0					
7 Residence ICE and Match ICE	Unweighted	0.0	0.0	181.4	69.2	217.8	0.0	97.9	0.0					
	Weighted	0.0	0.0	58,625.8	24,317.3	70,302.0	0.0	34,592.5	0.0					
Residence ICE and Match ICE	Sample Size	0	0	289	172	289	0	172	0					
8 and Match ICE	Unweighted	0.0	0.0	229.2	1,3.4	254.6	0.0	150.4	0.0					
	Weighted	0.0	0.0	73,927.3	42,074.1	81,809.4	0.0	55,873.1	0.0					
Characteristic Imputation and Correct Enumeration ICE	Sample Size	560	560	0	0	0	0	0	0					
9 and Correct Enumeration ICE	Unweighted	396.8	560.0	0.0	0.0	0.0	0.0	0.0	0.0					
	Weighted	107,405.8	150,855.7	0.0	0.0	0.0	0.0	0.0	0.0					
Correct Enumeration ICE only	Sample Size	2,202	2,203	0	0	0	0	0	0					
10 only	Unweighted	1,561.7	2,203.0	0.0	0.0	0.0	0.0	0.0	0.0					
	Weighted	428,386.9	625,487.2	0.0	0.0	0.0	0.0	0.0	0.0					
TES 11 TES Cases ¹	Sample Size	2,728	3,259	1,986	88	3,623	0	194	163					
	Unweighted	2,641.2	3,259.0	1,983.8	87.9	3,595.9	0.0	188.2	163.0					
	Weighted	692,760.8	749,683.0	836,608.2	41,700.9	1,238,470.6	0.0	73,255.9	45,513.6					
12 Total	Sample Size	47,122	51,215	34,508	1,695	41,754	3,655	2,310	1,858					
	Unweighted	46,171.3	51,215.0	34,367.5	1,588.8	41,358.7	3,655.0	2,203.0	1,858.0					
	Weighted	13,996,457.0	15,354,460.7	11,602,764.8	549,993.6	13,718,223.3	1,182,070.4	749,955.7	561,704.6	12,466,404.6	14,900,293.7	0.9116	0.8367	1.0895

¹ This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table I12: Native Hawaiian or Pacific Islander Domain Non-Owner Summary

		E Sample (1,525 Cases)			P Sample (1,540 Cases)			Correct Enumeration Rate			Match Rate		Correction Ratio	
		Correct Enumerations	Nonmover Matches	Outmover Matches	Nonmovers	Outmovers	Out-of-Scope	Total Matches	Total P-sample People					
Resolved Cases	Sample Size	1,137	1,166	908	26	1,040	112	30	64					
1 Prior to Missing Adj.	Unweighted	1,138.5	1,166.0	908.0	26.0	1,040.0	112.0	30.0	64.0	973.2	1,116.0	0.9721	0.8721 1.1147	
	Weighted	180,217.9	184,538.9	173,580.8	5,728.7	194,357.2	20,413.9	6,472.0	11,831.5	184,996.5	207,406.3	0.9766	0.8920 1.0949	
2 Resolved Cases														
2 Added ACE, Day NI	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	461.1	0.0	0.0	0.0	0.0		
3 Resolved Cases	Added Census Day NI	Weighted	0.0	0.0	5,524.4	573	6,561.6	0.0	61.7	0.0				
Characteristic	Sample Size	195	234	54	1	62	2	2	2				6	
4 Imputation Only	Unweighted	194.0	234.0	54.0	1.0	62.0	2.0	2.0	2.0				6.0	
	Weighted	34,633.8	46,197.8	10,947.3	125.6	11,761.0	824.6	474.6	1,002.5					
Characteristic Imputation and Residence ICE	Sample Size	0	0	0	2	4	0	0	2				0	
5 and Residence ICE	Unweighted	0.0	0.0	0.0	2.0	3.7	0.0	0.0	2.0				0.0	
	Weighted	0.0	0.0	0.0	289.5	916.0	0.0	0.0	289.5				0.0	
Residence 6 ICE	Sample Size	0	0	2	0	13	0	0	2				0	
	Unweighted	0.0	0.0	1.9	0.0	9.2	0.0	0.0	1.1				0.0	
	Weighted	0.0	0.0	658.1	0.0	1,931.9	0.0	0.0	683.8				0.0	
Characteristic Imputation, Residence ICE and Match ICE	Sample Size	0	0	3	1	3	0	0	1				0	
7 Only	Unweighted	0.0	0.0	1.8	0.4	2.6	0.0	0.0	0.9				0.0	
	Weighted	0.0	0.0	207.7	56.5	299.0	0.0	0.0	109.5				0.0	
Characteristic Imputation, Residence ICE and Match ICE	Sample Size	0	0	1	2	1	0	0	2				0	
8 and Match ICE	Unweighted	0.0	0.0	0.6	1.4	0.9	0.0	0.0	1.7				0.0	
	Weighted	0.0	0.0	47.0	483.2	68.0	0.0	0.0	605.5				0.0	
Characteristic Imputation and Correct Enumeration ICE	Sample Size	10	10	0	0	0	0	0	0				0	
9 and Correct Enumeration ICE	Unweighted	7.9	10.0	0.0	0.0	0.0	0.0	0.0	0.0				0.0	
	Weighted	833.2	983.2	0.0	0.0	0.0	0.0	0.0	0.0				0.0	
Correct Enumeration ICE only	Sample Size	65	65	0	0	0	0	0	0				0	
10 TES Cases ¹	Unweighted	49.4	65.0	0.0	0.0	0.0	0.0	0.0	0.0				0.0	
	Weighted	6,969.6	9,695.9	0.0	0.0	0.0	0.0	0.0	0.0				0.0	
	Sample Size	20	50	22	5	178	0	0	10				6	
	Unweighted	19.6	50.0	22.0	5.0	177.9	0.0	0.0	10.0				6.0	
	Weighted	4,658.1	4,762.5	19,870.0	628.1	38,323.7	0.0	1,627.4	847.1					
12 Total	Sample Size	1,427	1,525	990	37	1,301	114	49	76					
	Unweighted	1,404.4	1,525.0	988.3	35.8	1,296.4	114.0	47.7	76.0	1,048.5	1,375.4	0.9209	0.7623 1.2080	
	Weighted	227,312.6	246,183.4	210,835.4	7,369.0	254,218.4	21,699.6	10,324.0	13,681.1	221,332.1	268,646.6	0.9233	0.8239 1.1207	

¹ This total includes TES cases with TES weight = 0 These cases were not selected for the TES sample but are documented here for accounting purposes

Table I13: Non-Hispanic Asian Domain Non-Owner Summary

E Sample (12,076 Cases)			P Sample (11,384 Cases)			Correct Enumeration Rate			Match Rate			Correction Ratio		
	Correct Enumerations	Nonmover Matches		Nonmover Matches	Outmover Matches		Nonmovers	Outmovers	Out-of-Scope	Total Matches	Total P-sample People			
Resolved Cases	Sample Size	8,549	8,927	7,134	290		7,888	950	346	341	341			
1 Prior to Missing Adj.	Unweighted	8,538.5	8,927.0	7,134.0	290.0		7,888.0	950.0	346.0	341.0	7,925.8	8,838.0	0.9565	0.8968
	Weighted	2,581,349.7	2,694,694.6	2,326,424.2	93,206.8		2,560,841.5	303,480.6	111,923.9	108,458.7	2,579,049.2	2,864,322.2	0.9579	0.9004
2 Resolved Cases	Added A C E Day NI	Weighted	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0		
3 Added Census Day NI	Weighted	0.0	0.0	106,845.1	4,038.1		118,469.9	0.0	0.0	4,661.3	0.0			
Characteristic	Sample Size	1,503	1,800	434	55		480	39	56	56	22			
4 Imputation Only	Unweighted	1,501.0	1,800.0	434.0	55.0		480.0	39.0	56.0	56.0	22.0			
	Weighted	455,569.9	545,262.8	130,149.7	19,275.9		148,886.5	13,021.0	19,839.5	19,839.5	7,484.2			
Characteristic Imputation and Residence ICE	Sample Size	0	0	6	8		20	0	0	14	0			
5 and 6 ICE	Unweighted	0.0	0.0	4.3	7.9		13.6	0.0	0.0	11.3	0.0			
	Weighted	0.0	0.0	1,551.2	2,886.4		4,093.0	0.0	0.0	3,919.2	0.0			
Residence ICE and Match ICE	Sample Size	0	0	10	12		105	0	0	37	0			
7 Residence ICE and Match ICE	Unweighted	0.0	0.0	9.7	8.5		74.1	0.0	0.0	23.6	0.0			
	Weighted	0.0	0.0	2,989.4	2,213.8		25,001.9	0.0	0.0	6,762.2	0.0			
Characteristic Imputation, Residence ICE and Match ICE	Sample Size	0	0	50	14		50	0	0	14	0			
8 and 9 Match ICE	Unweighted	0.0	0.0	36.4	9.4		43.7	0.0	0.0	12.2	0.0			
	Weighted	0.0	0.0	10,001.2	3,068.9		11,987.1	0.0	0.0	3,943.4	0.0			
Residence ICE and Match ICE	Sample Size	0	0	76	45		76	0	0	45	0			
Characteristic Imputation and Correct Enumeration ICE	Unweighted	0.0	0.0	60.8	26.7		66.9	0.0	0.0	39.3	0.0			
10 only	Weighted	0.0	0.0	21,649.3	8,996.3		23,608.4	0.0	0.0	13,226.6	0.0			
Correct Enumeration ICE	Sample Size	108	108	0	0		0	0	0	0	0			
11 TES Cases ¹	Unweighted	77.5	108.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0			
	Weighted	21,563.1	30,853.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0			
TES Total	Sample Size	545	545	0	0		0	0	0	0	0			
	Unweighted	426.9	545.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0			
	Weighted	131,192.9	167,878.9	0.0	0.0		0.0	0.0	0.0	0.0	0.0			
12 Total	Sample Size	500	695	420	48		814	0	80	80	7			
	Unweighted	11,026.8	12,076.0	8,098.3	445.5		9,377.4	989.0	568.3	370.0	8,871.4	10,366.4	0.9131	0.8558
	Weighted	3,333,252.2	3,605,642.7	2,757,694.1	149,079.3		3,129,135.5	322,124.9	187,872.7	117,440.7	3,013,857.8	3,451,260.4	0.9245	0.8733

¹ This total includes TES cases with TES weight = 0. These cases were not selected for the TES sample but are documented here for accounting purposes.

Table 114: Non-Hispanic White or Some Other Race Domain Non-Owner Summary

			P Sample (124,184 Cases)						Correct Enumeration Rate			Match Rate		Correction Ratio				
			Nonmover Matches	Outmover Matches	Nonmovers	Inmovers	Outmovers	Out-of-Scope	Total Matches	Total P-sample People								
		E Sample (117,653 Cases)	91,170	75,653	4,985	81,467	12,601	6,003	4,125									
		Correct Enumerations																
1	Prior to Missing Adj.	Sample Size	87,814	91,170	75,653	4,985	81,467	12,601	6,003	4,125	0.9621	0.9152	1.0512					
		Unweighted	87,715	91,170	75,653	4,985	81,467	12,601	6,003	4,125	0.9621	0.9152	1.0512					
		Weighted	33,604,180	33,604,180	34,860,586	30,380,367	1,940,908	32,661,772	5,471,992	2,351,357	1,548,587	1,34,275,590	33,736,764	9	0.9640	0.9170	1.0512	
2	Resolved Cases																	
	Added A.C.E. Day NI	Weighted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62,622	4	0.0	0.0				
3	Resolved Cases																	
	Added Census Day NI	Weighted	0.0	0.0	0.0	1,040,754	8	58,645	3	1,135,692	2	0.0	71,771	4	0.0			
	Characteristic	Sample Size	9,985	12,963	3,304	871	3,759	494	1,036	384								
4	Imputation	Unweighted	9,966	8	12,963	0	3,304	0	3,759	0	494	0	1,036	0	384	0		
	Only	Weighted	3,704,164	3	4,792,510	8	1,378,445	3	357,665	2	1,557,793	0	185,732	9	419,817	8	151,426	8
	Characteristic Imputation	Sample Size	0	0	51	124	180	0	0	245	0							
5	and	Unweighted	0.0	0.0	47.3	113.2	148.9	0.0	0	205.5	0.0							
	Residence ICE	Weighted	0.0	0.0	20,778.7	46,854	3	66,008.4	0.0	87,427.2	0.0							
6	Residence	Sample Size	0	0	54	135	854	0	0	564	0							
	ICE	Unweighted	0.0	0.0	49.9	119.7	595.0	0.0	0	385.1	0.0							
	Only	Weighted	0.0	0.0	18,059.8	45,725.9	222,300.0	0.0	0	158,871.7	0.0							
	Characteristic Imputation,	Sample Size	0	0	467	372	467	0	0	372	0							
7	Residence ICE	Unweighted	0.0	0.0	329.8	235.5	396.2	0.0	0	315.6	0.0							
	and Match ICE	Weighted	0.0	0.0	137,301.7	88,479.5	163,436.9	0.0	0	117,078.6	0.0							
	Residence ICE	Sample Size	0	0	439	634	439	0	0	634	0							
8	and	Unweighted	0.0	0.0	338.3	399.4	373.9	0.0	0	538.2	0.0							
	Match ICE	Weighted	0.0	0.0	140,733.2	162,066.7	154,847.0	0.0	0	214,448.2	0.0							
	Characteristic Imputation	Sample Size	846	847	0	0	0	0	0	0	0							
9	and	Unweighted	640.2	847.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
	Correct Enumeration ICE	Weighted	202,191.9	272,910	2	0.0	0.0	0.0	0.0	0.0	0.0							
10	only		1,272,153.7	1,641,290.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
	TES Cases ¹	Sample Size	5,310	7,325	4,790	466	9,236	0	1,098	226								
		Unweighted	5,170.2	7,325.0	4,788	2	464.1	9,181.2	0.0	1,064.7	226.0							
		Weighted	1,598,154	8	1,759,608	8	1,864,588	7	191,392	8	2,984,136	5	351,599	1	65,941	5		
11	TES Cases ¹	Sample Size	109,301	117,653	84,758	7,587	96,402	13,095	9,952	4,735								
		Unweighted	107,849	6	117,653	0	84,510	5	7,188	0	95,921	4	13,095	0	9,548	1	4,735	0
		Weighted	40,380,845	3	43,326,906	1	34,981,479	9	2,891,738	1	38,945,986	5	4,963,347	7	3,772,371	5	1,765,955	4
12	Total																	

¹ This total includes TES cases with TES weight = 0 These cases were not selected for the TES sample but are documented here for accounting purposes